

1/50

FIG.1

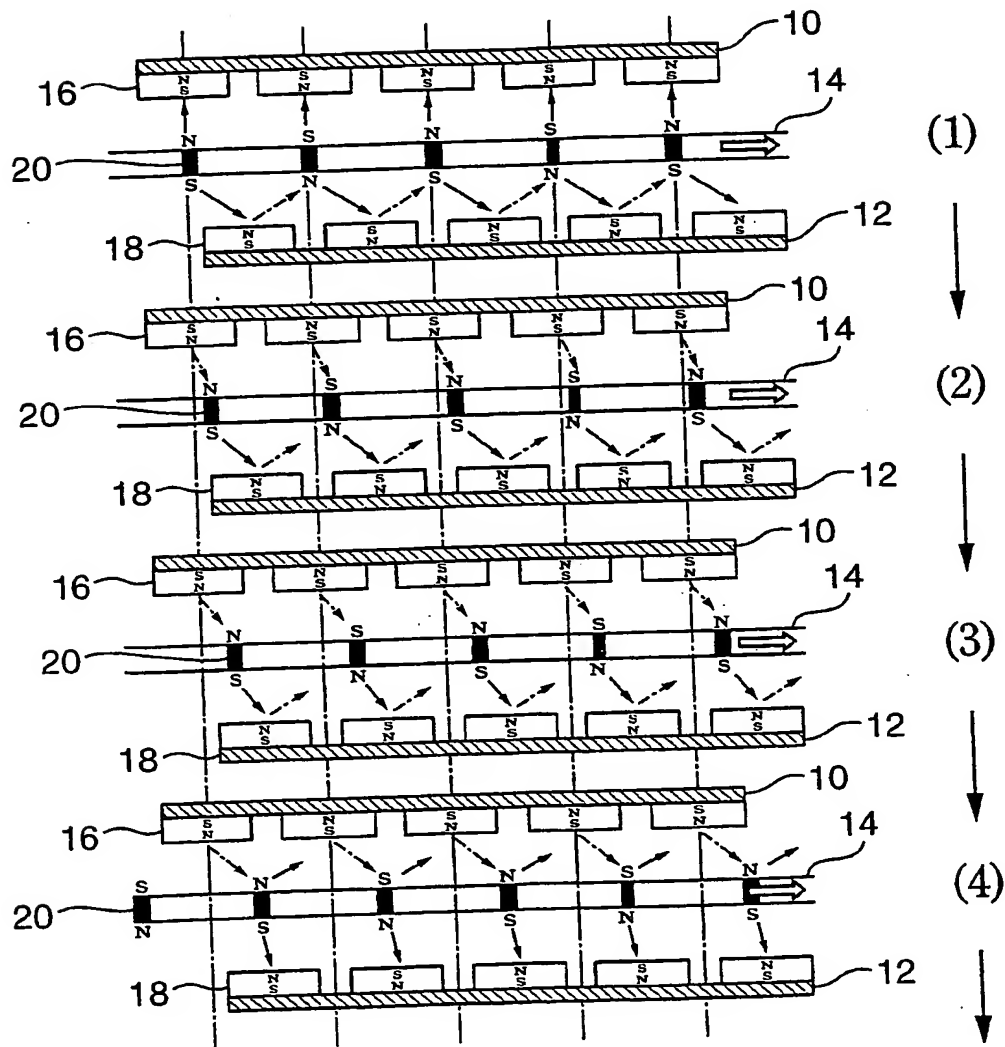


FIG.2

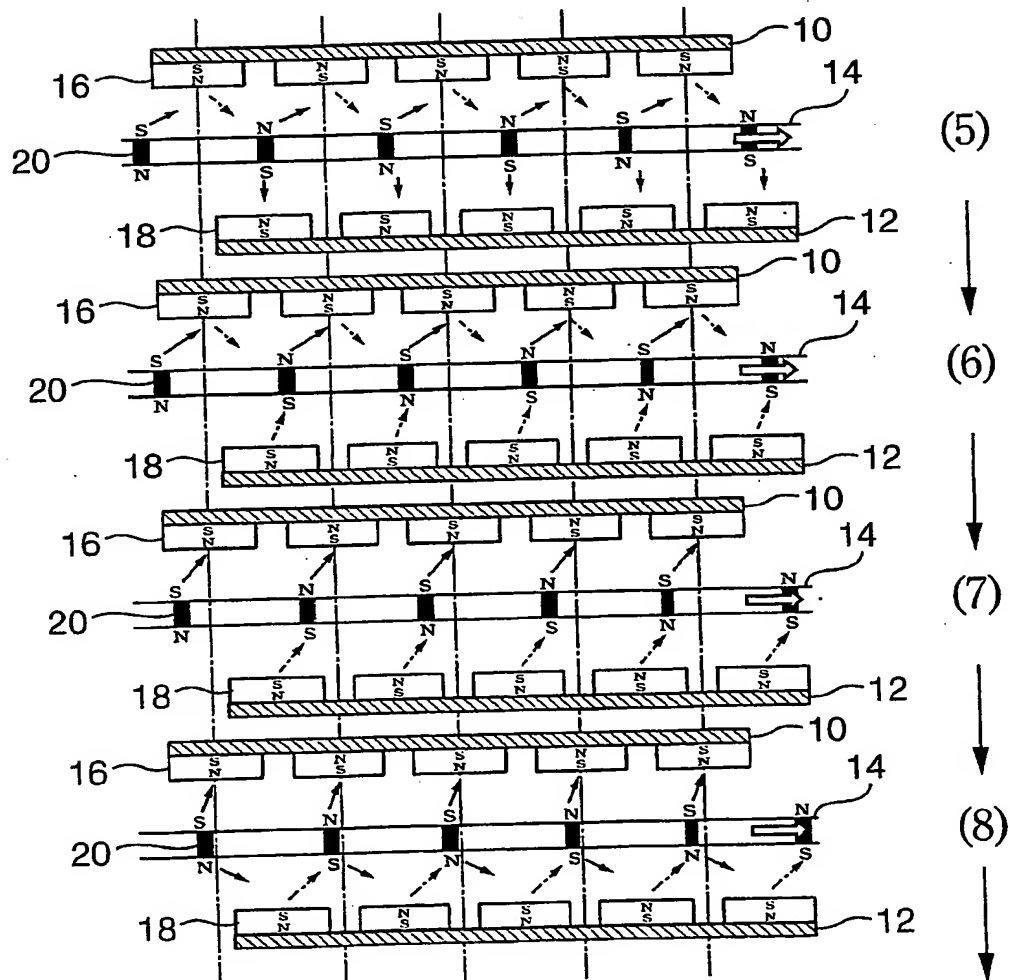


FIG.3

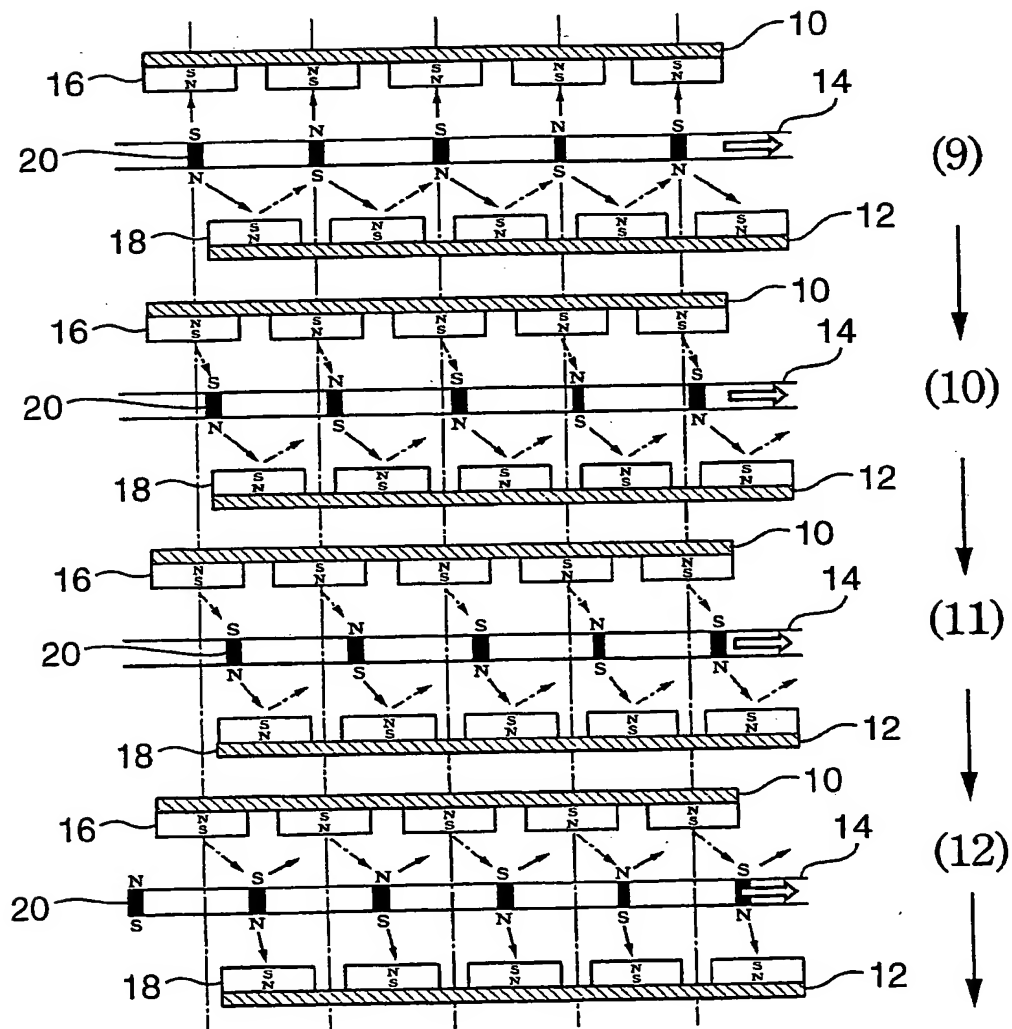
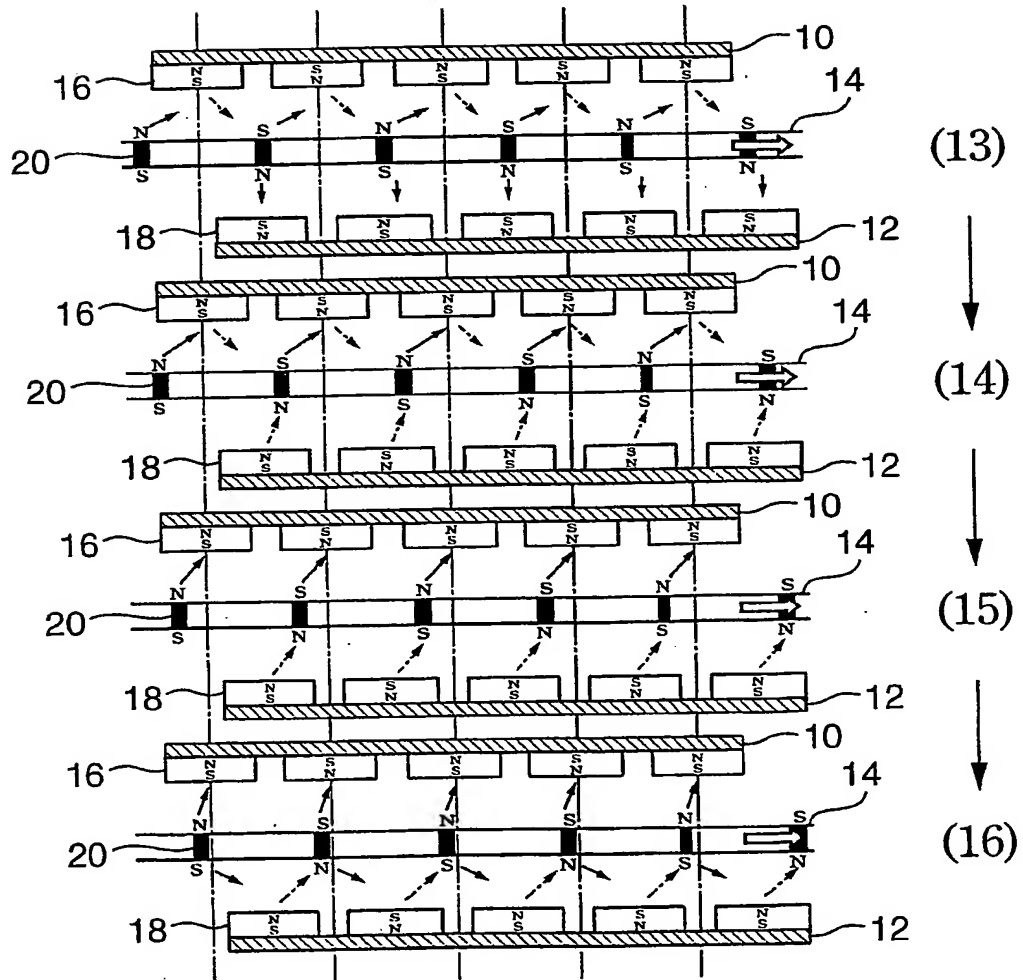


FIG.4



This schematic diagram illustrates a magnetic disk drive head assembly. It features two main horizontal lines representing the disk surfaces, labeled 18A at both ends. Between these surfaces, there are several vertical lines representing the head elements. The first head element is labeled 16 and consists of two sub-elements, S/N and N/S, connected by a vertical line. The second head element is labeled N/S and consists of two sub-elements, N/S and S/N, connected by a vertical line. The third head element is labeled S/N and consists of two sub-elements, S/N and N/S, connected by a vertical line. The fourth head element is labeled N/S and consists of two sub-elements, N/S and S/N, connected by a vertical line. The fifth head element is labeled S/N and consists of two sub-elements, S/N and N/S, connected by a vertical line. The sixth head element is labeled N/S and consists of two sub-elements, N/S and S/N, connected by a vertical line. The seventh head element is labeled S/N and consists of two sub-elements, S/N and N/S, connected by a vertical line. The eighth head element is labeled N/S and consists of two sub-elements, N/S and S/N, connected by a vertical line. The diagram shows a series of head elements connected by a common line, with a dashed line indicating a continuation of the series.

FIG.6

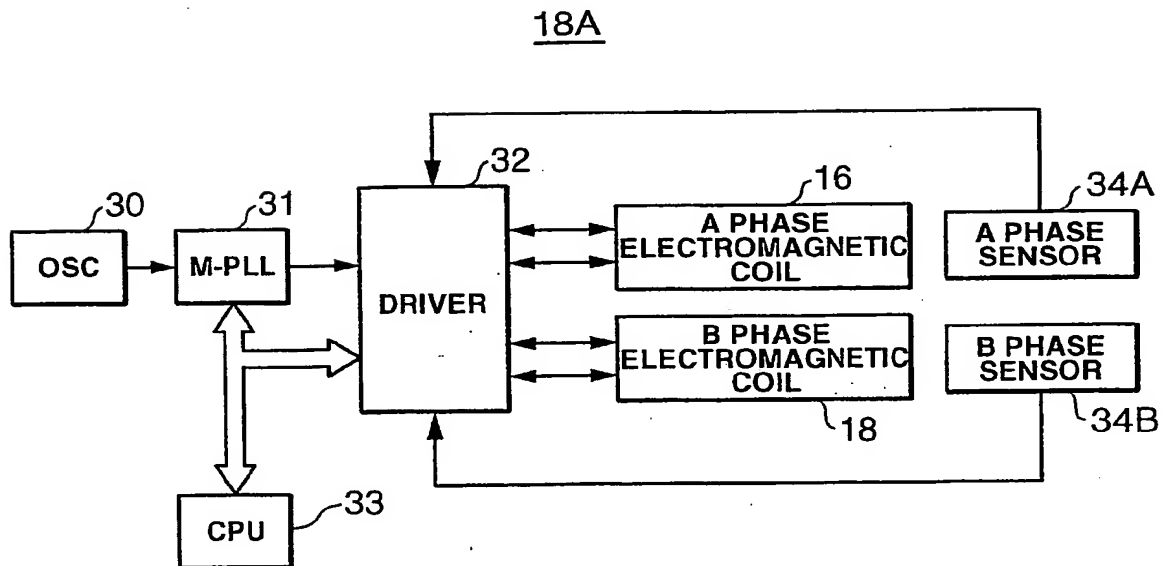
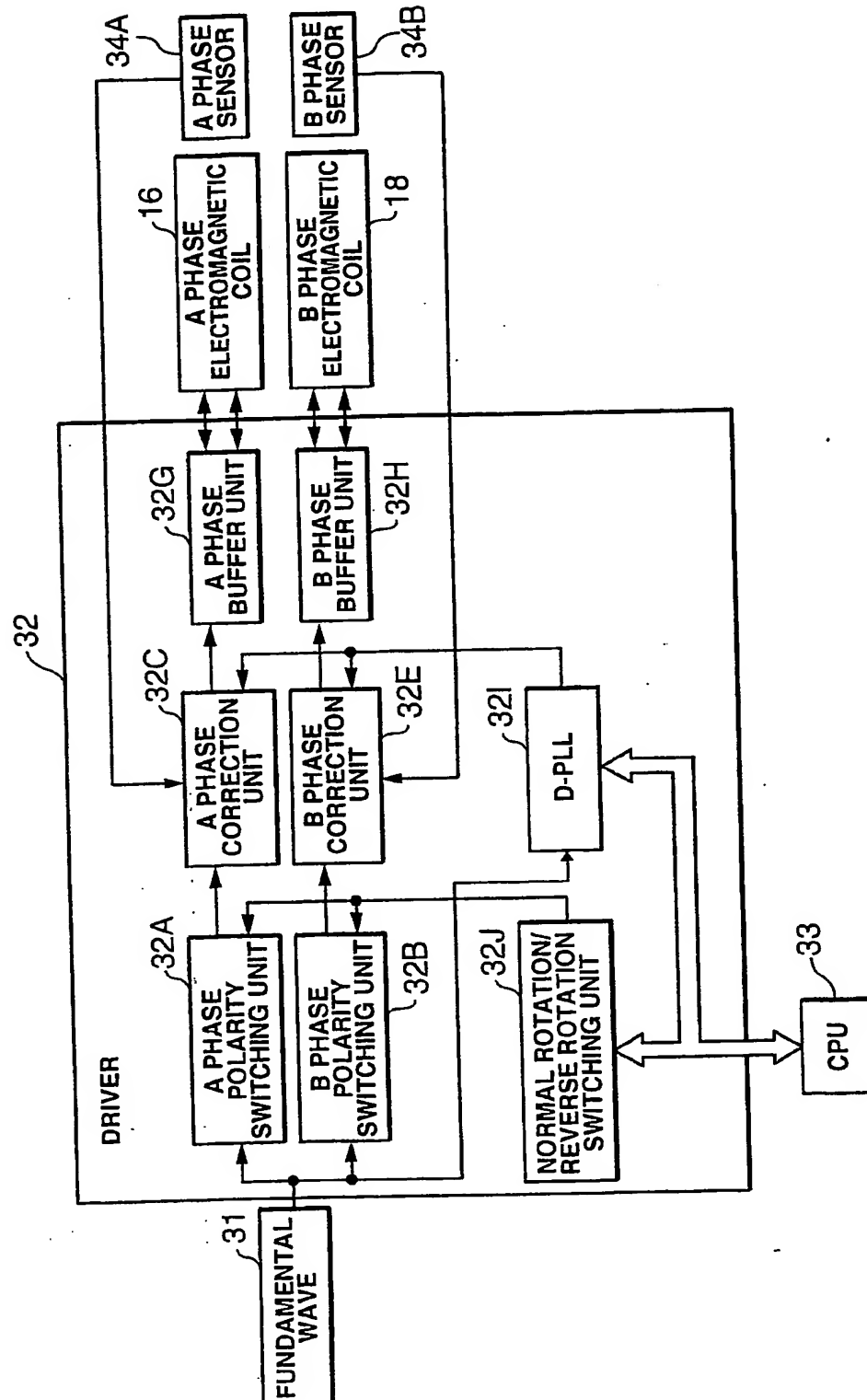


FIG.7



8/50

FIG.8

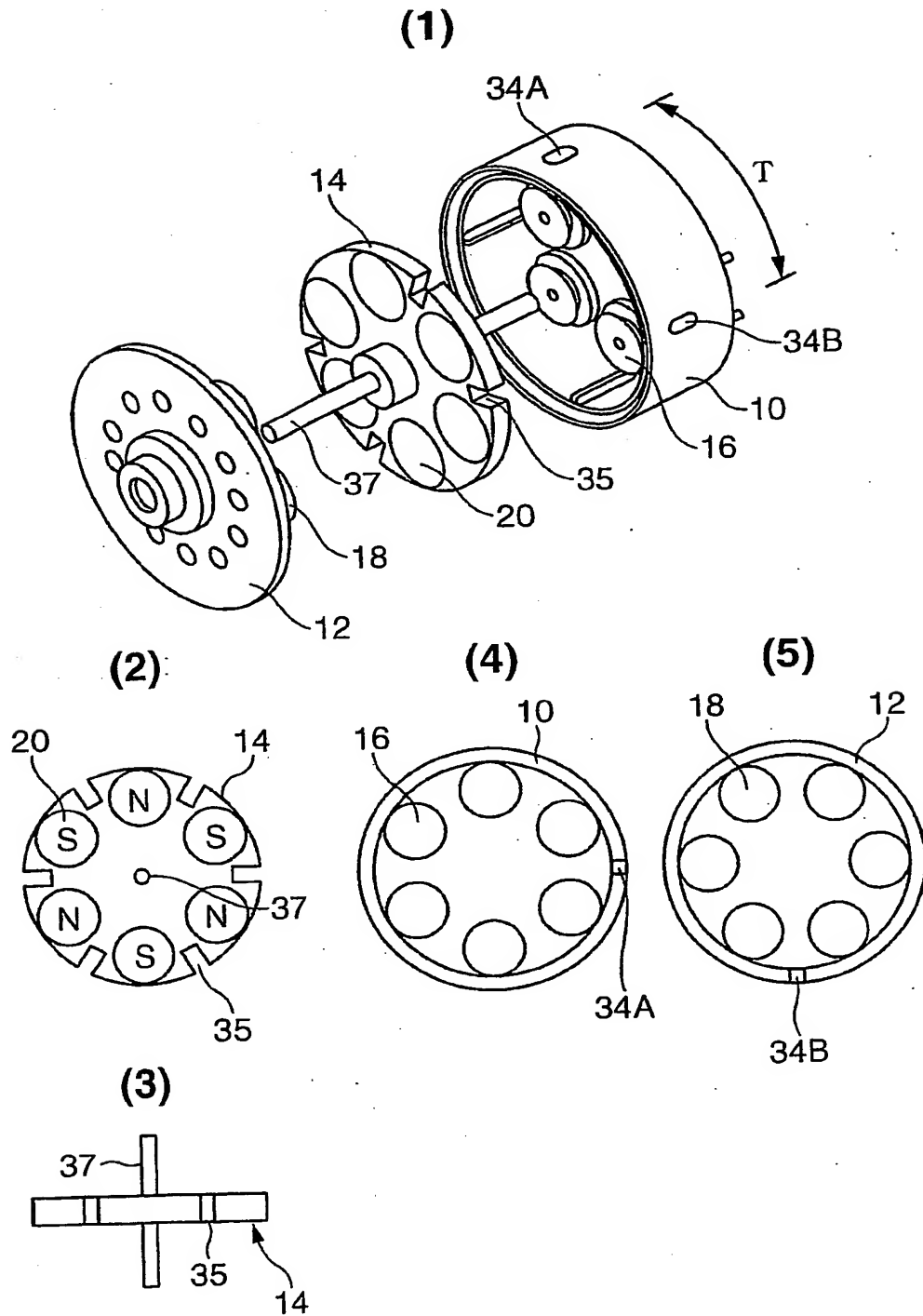
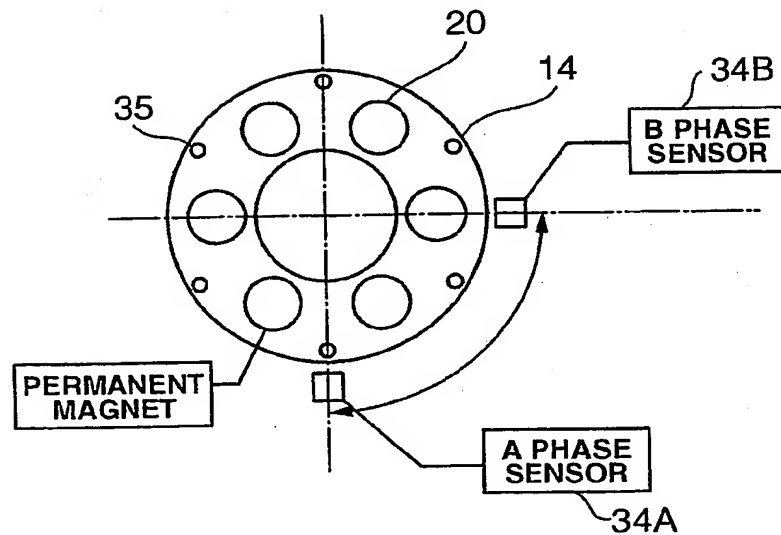


FIG.9



10/50

FIG.10

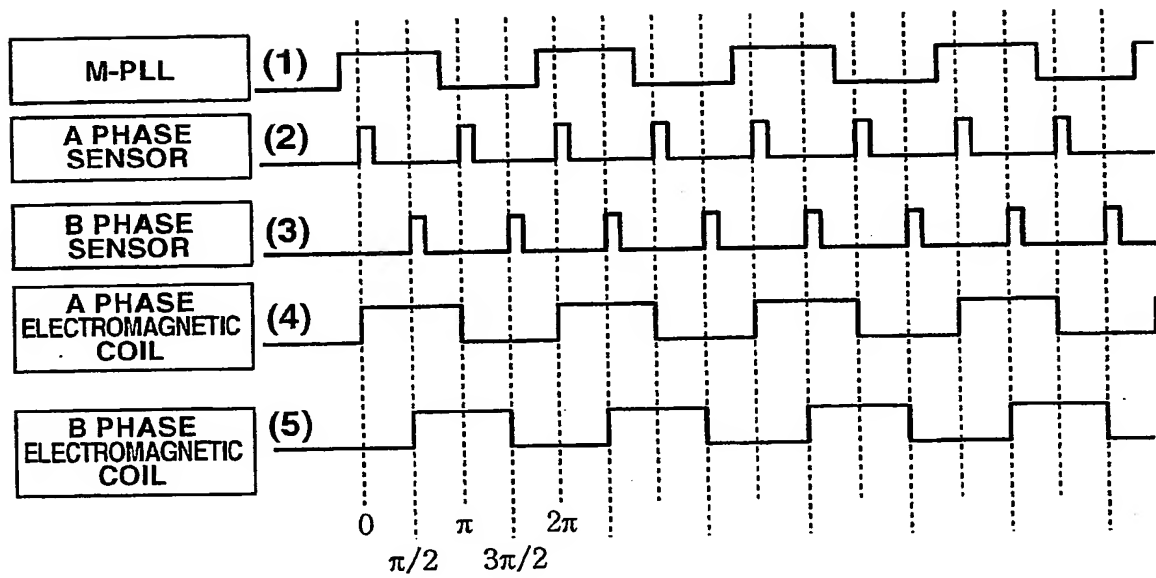
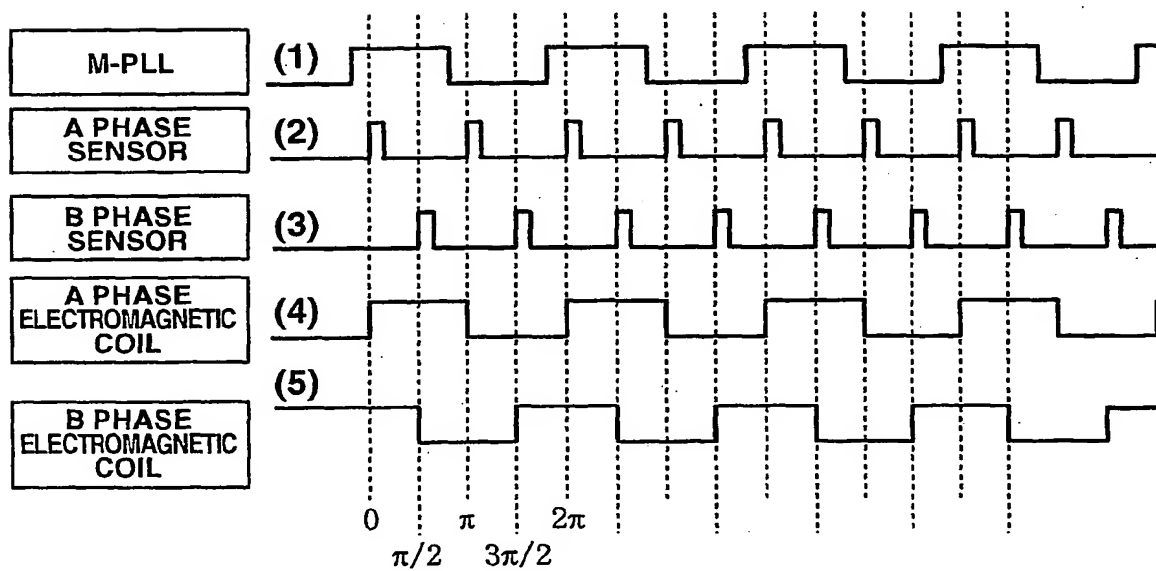
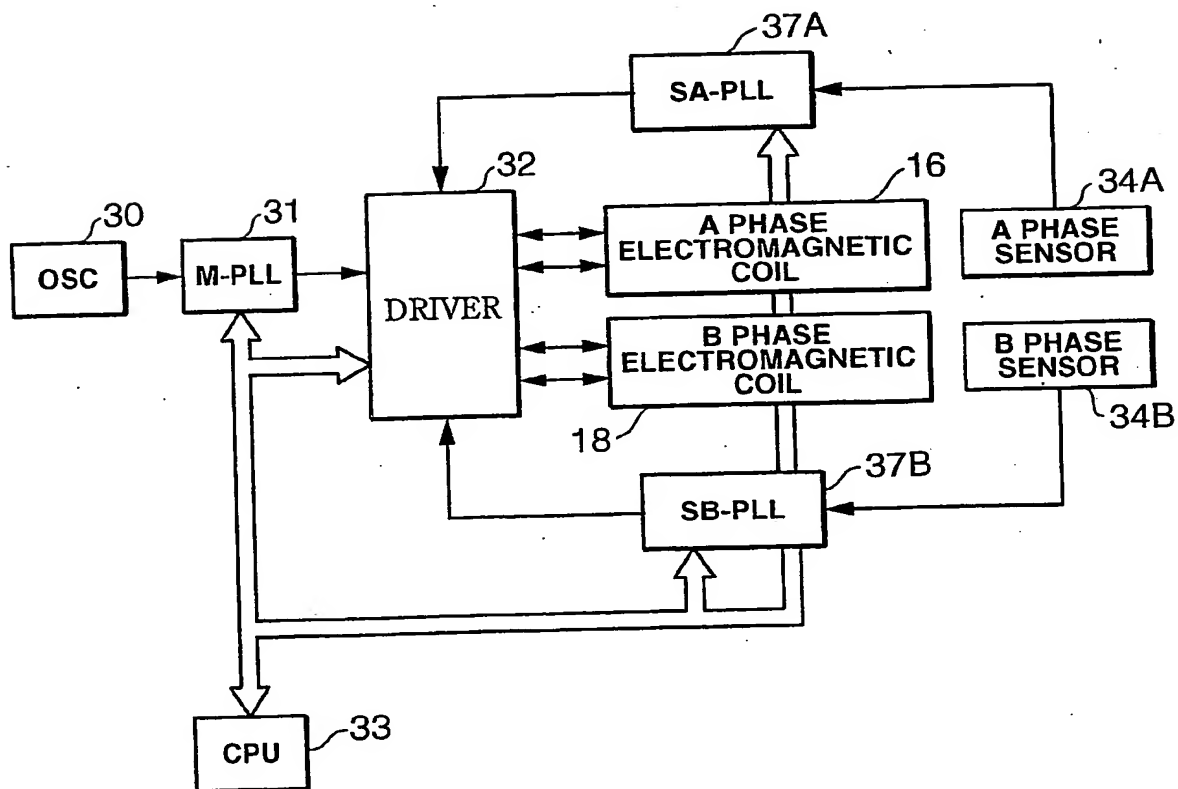


FIG.11



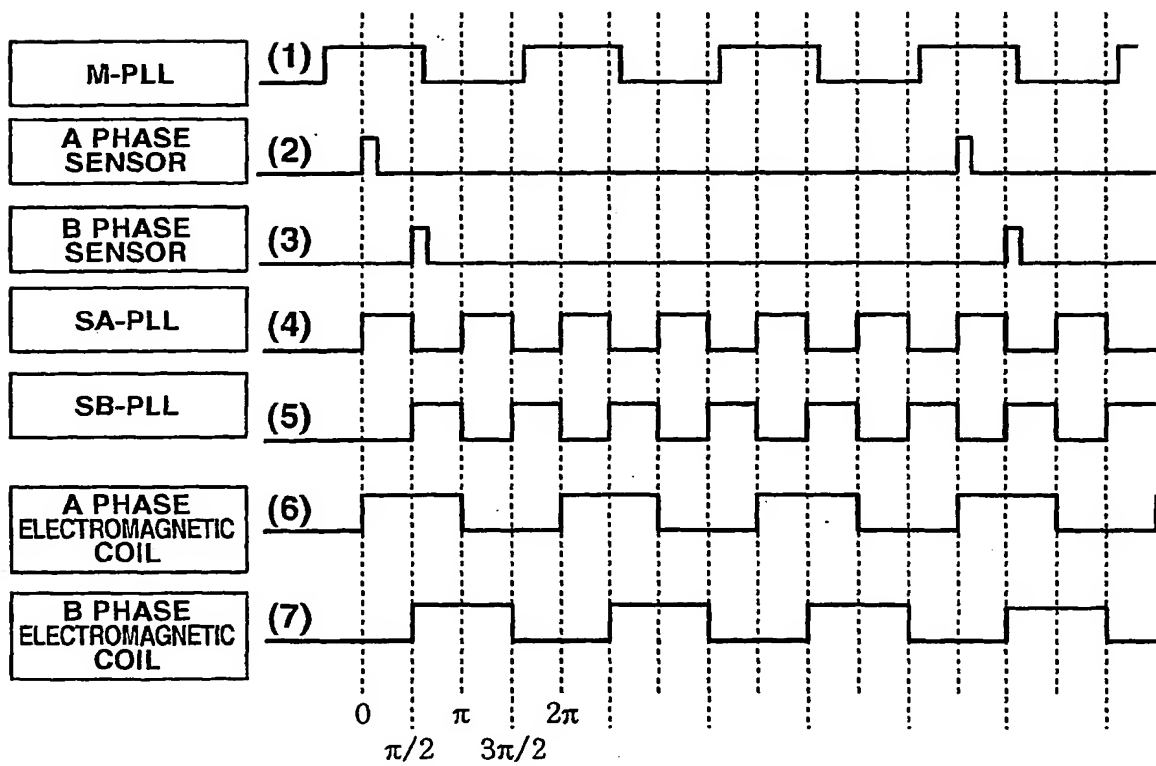
12/50

FIG.12



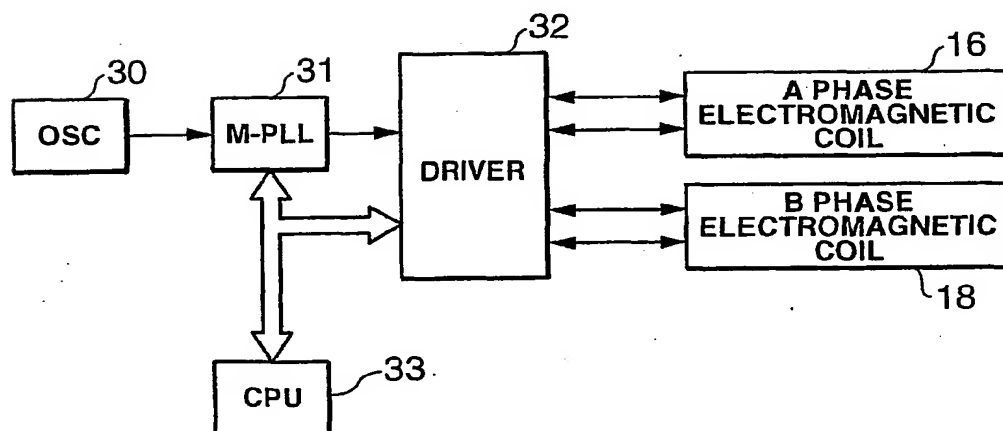
13/50

FIG.13



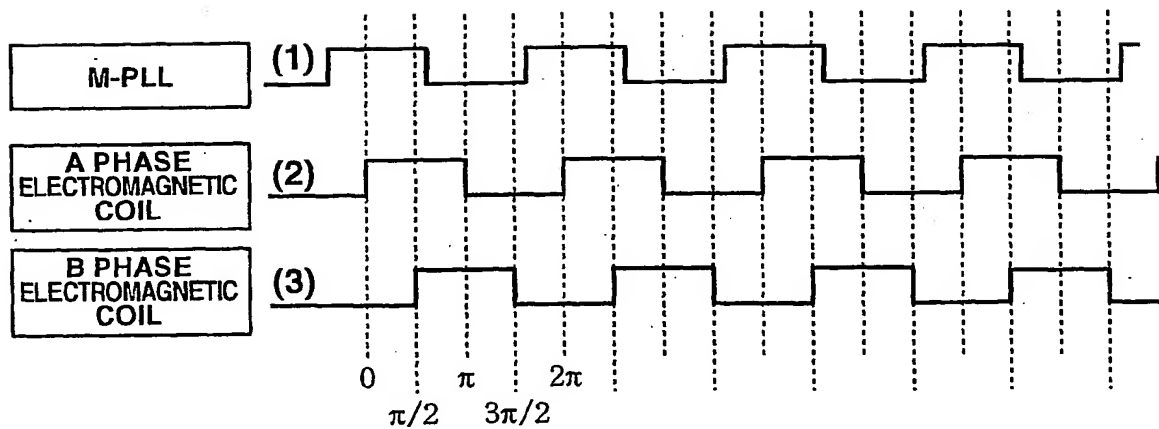
14/50

FIG.14



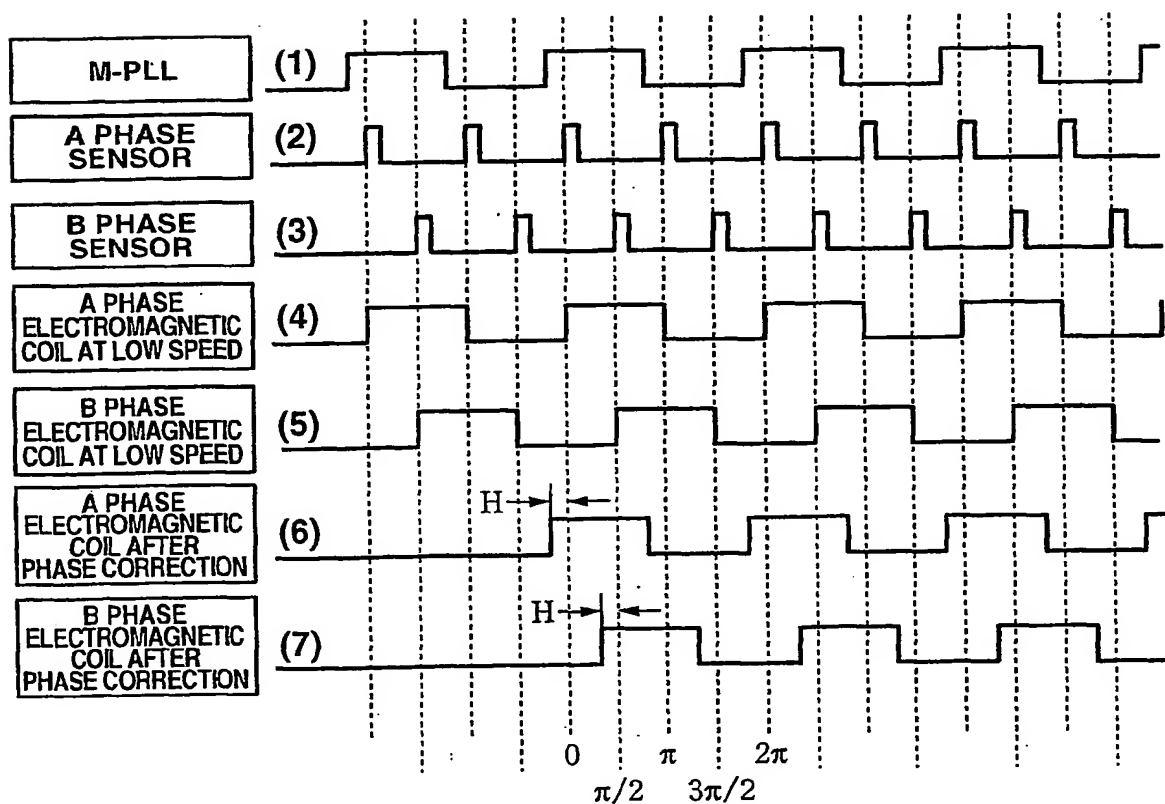
15/50

FIG.15



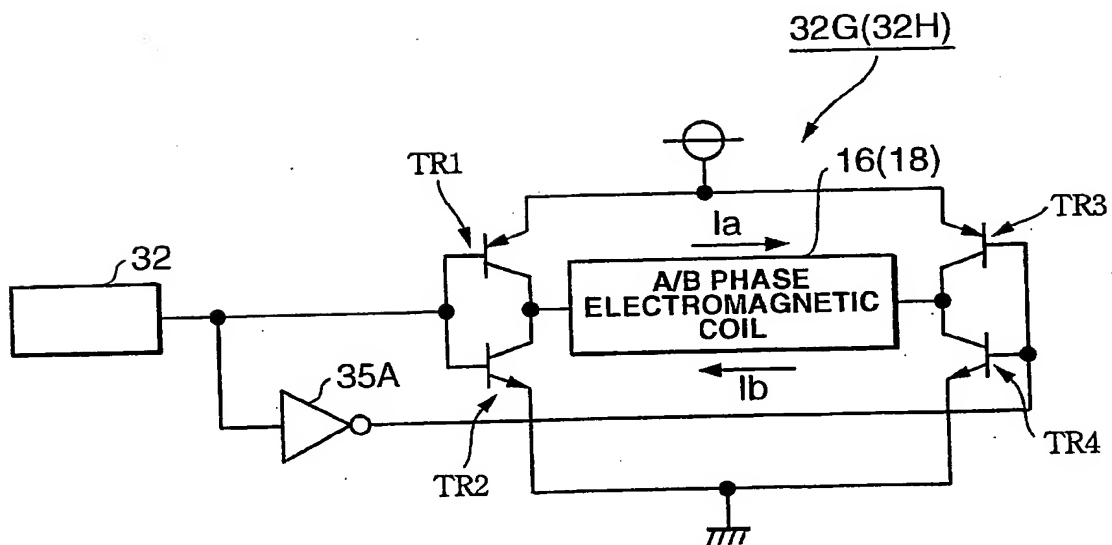
16/50

FIG.16



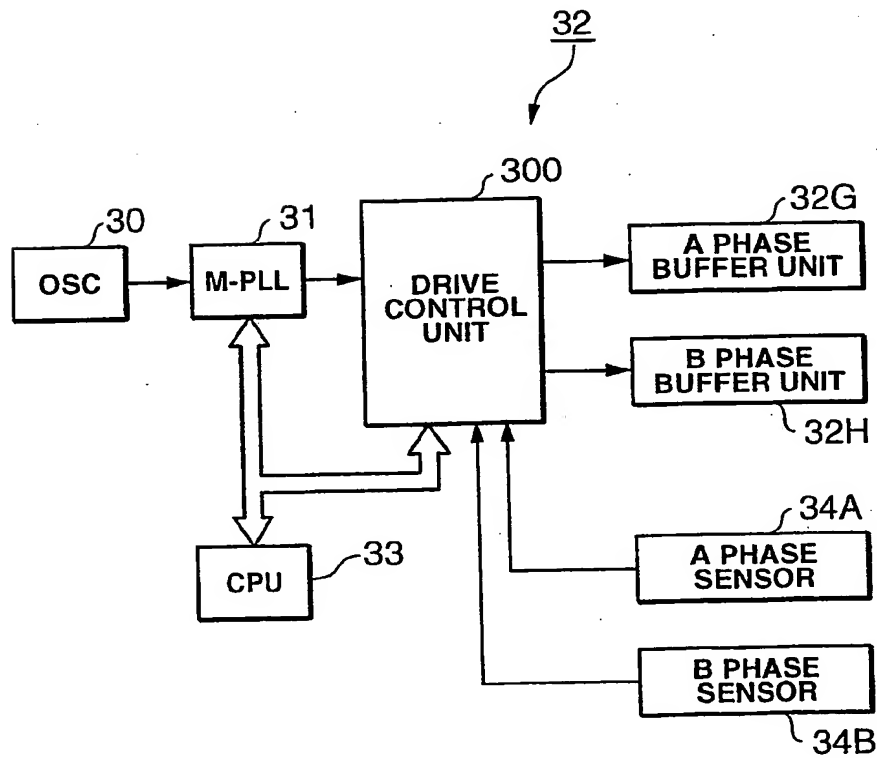
17/50

FIG.17



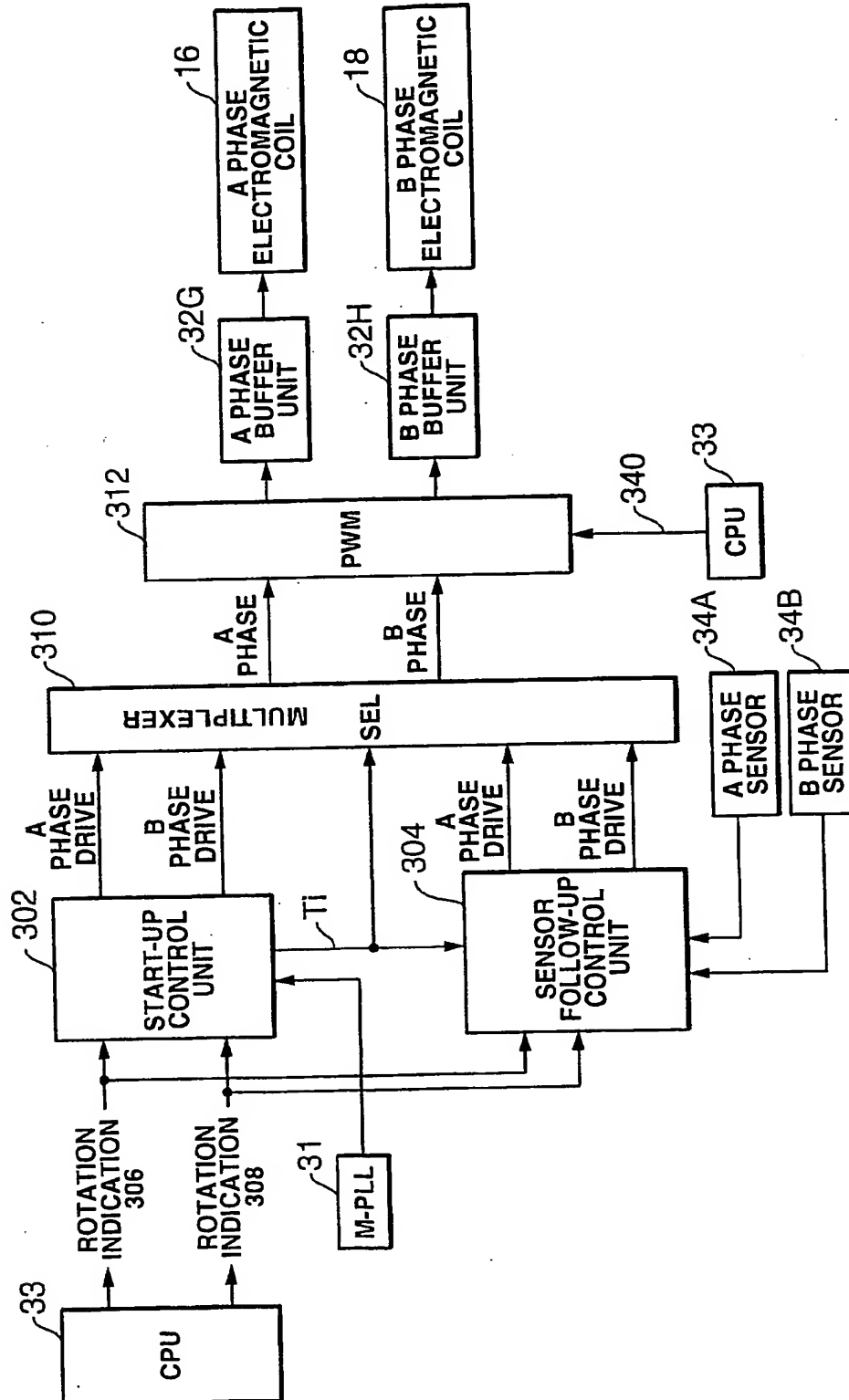
18/50

FIG.18



19/50

FIG.19



20/50

FIG.20

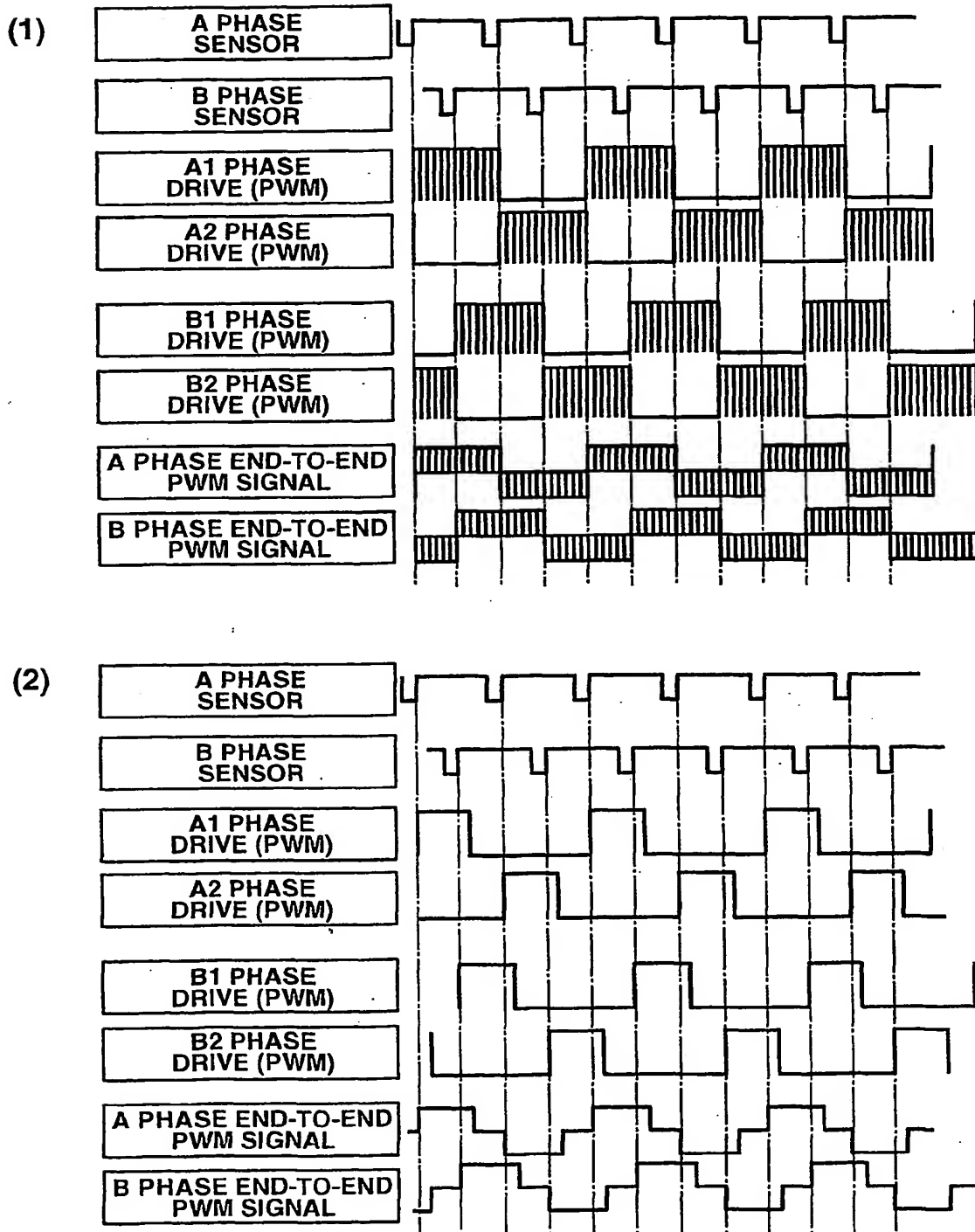
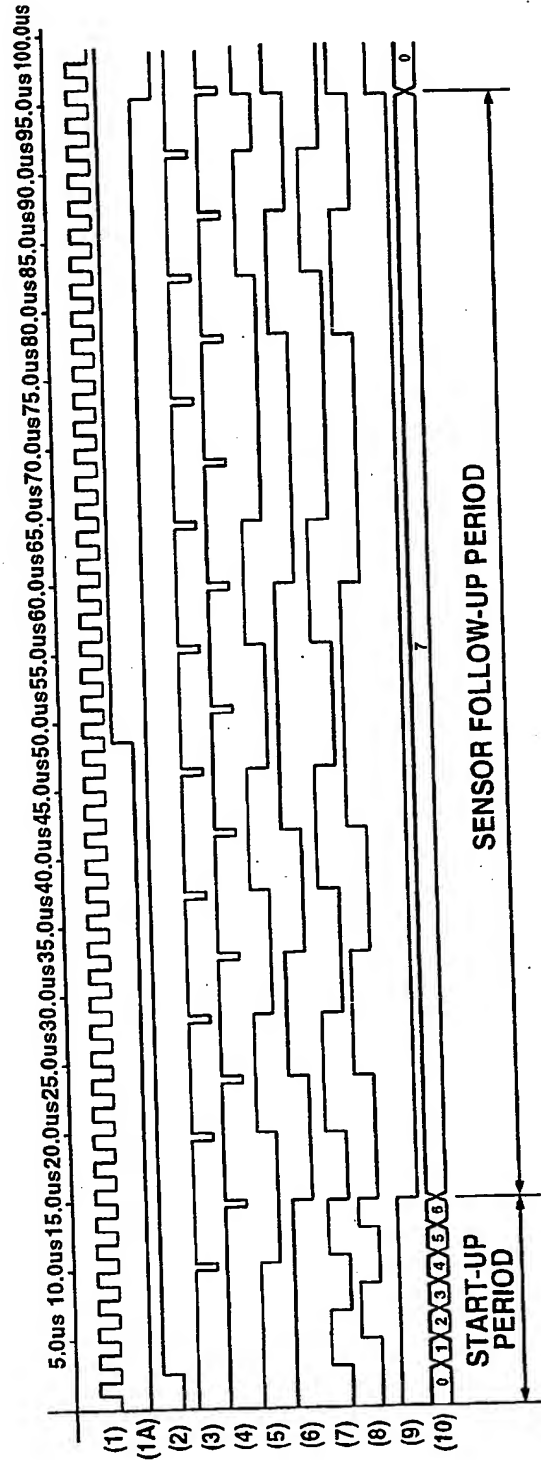
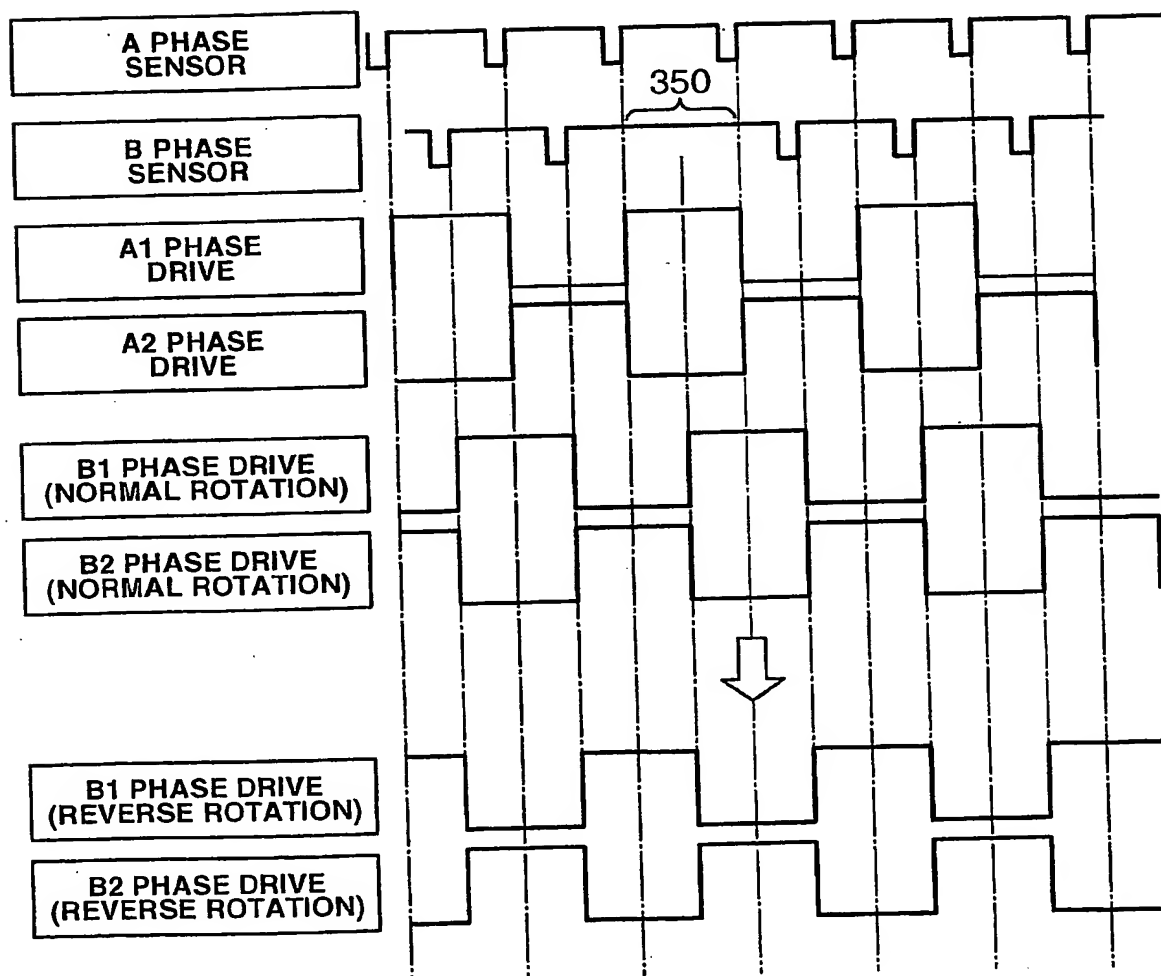


FIG.21



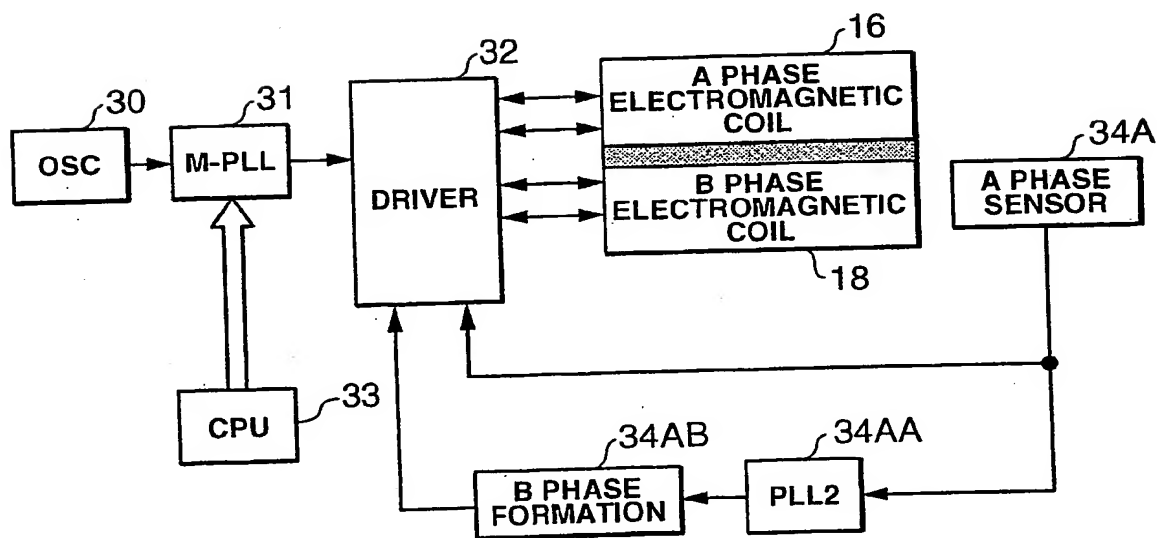
22/50

FIG.22



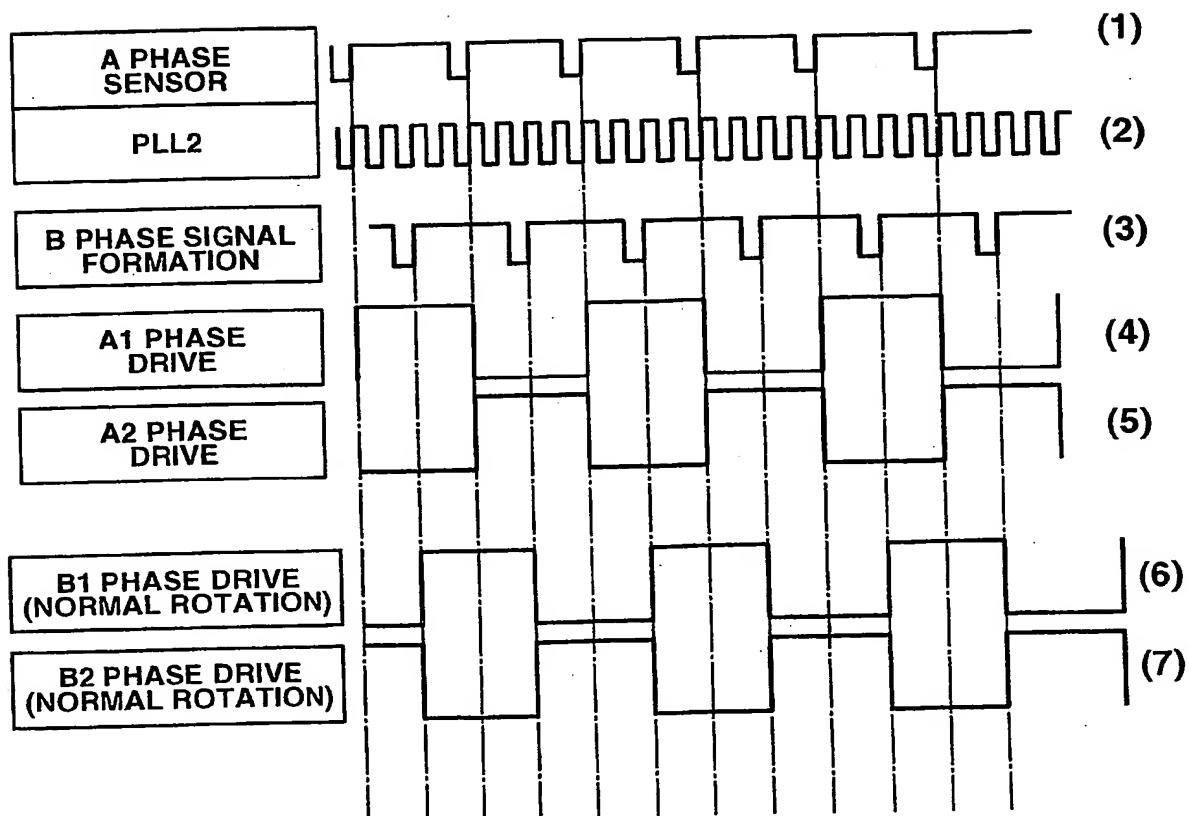
23/50

FIG.23



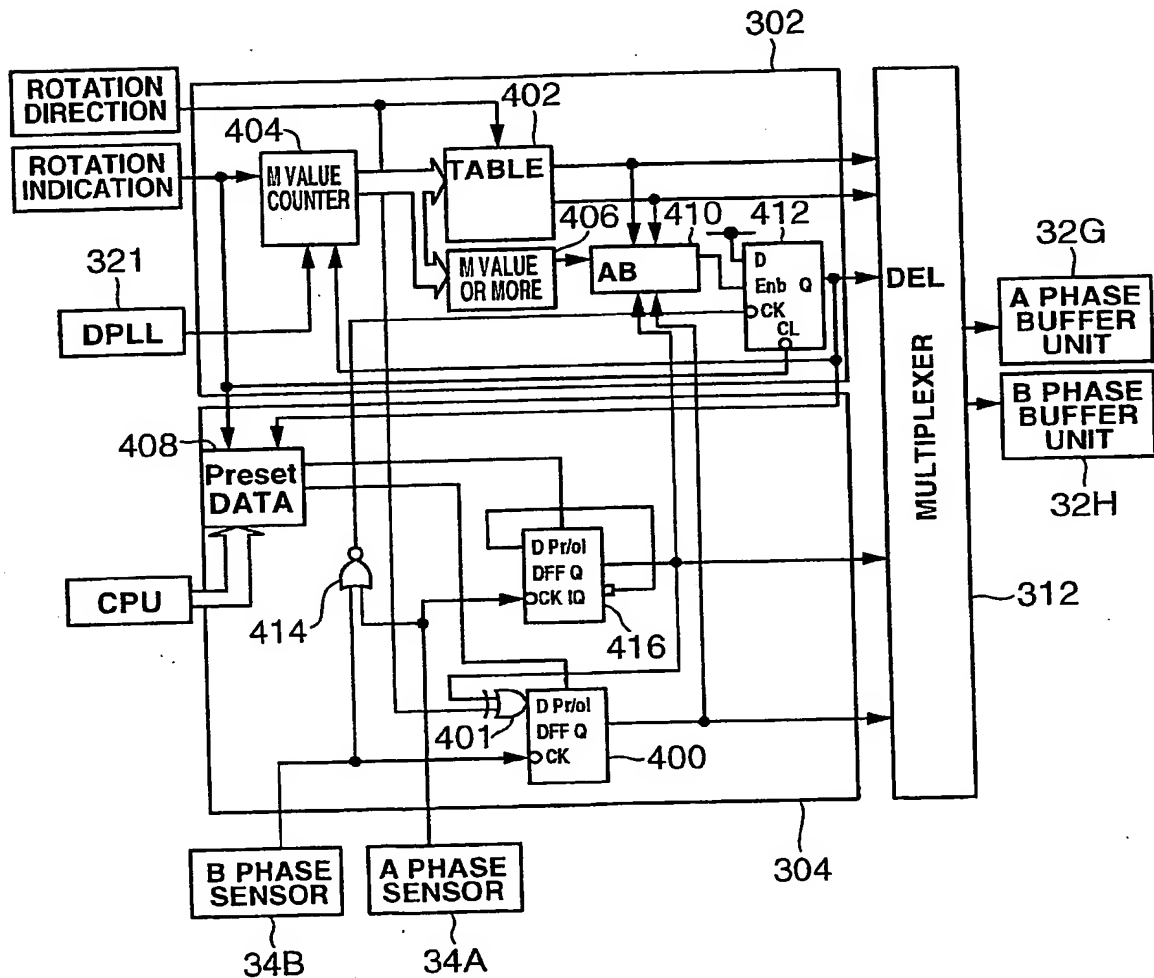
24/50

FIG.24



25/50

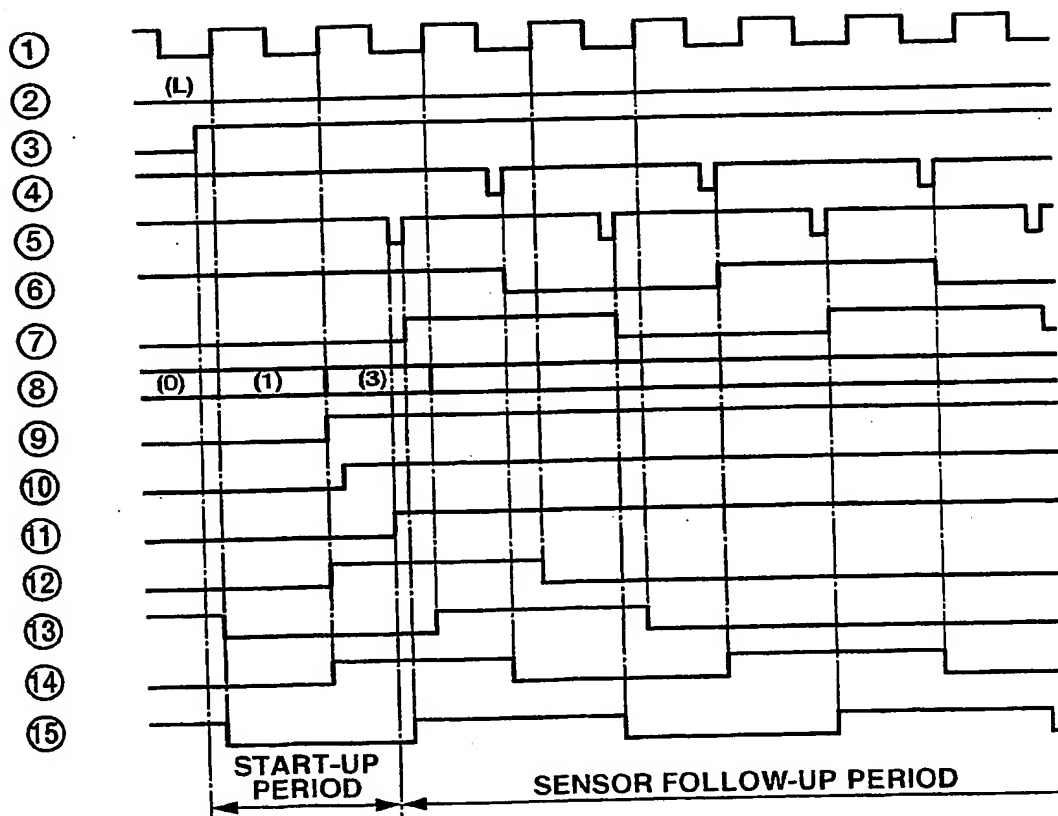
FIG.25



26/50

FIG.26

TIMING CHART



27/50

FIG.27

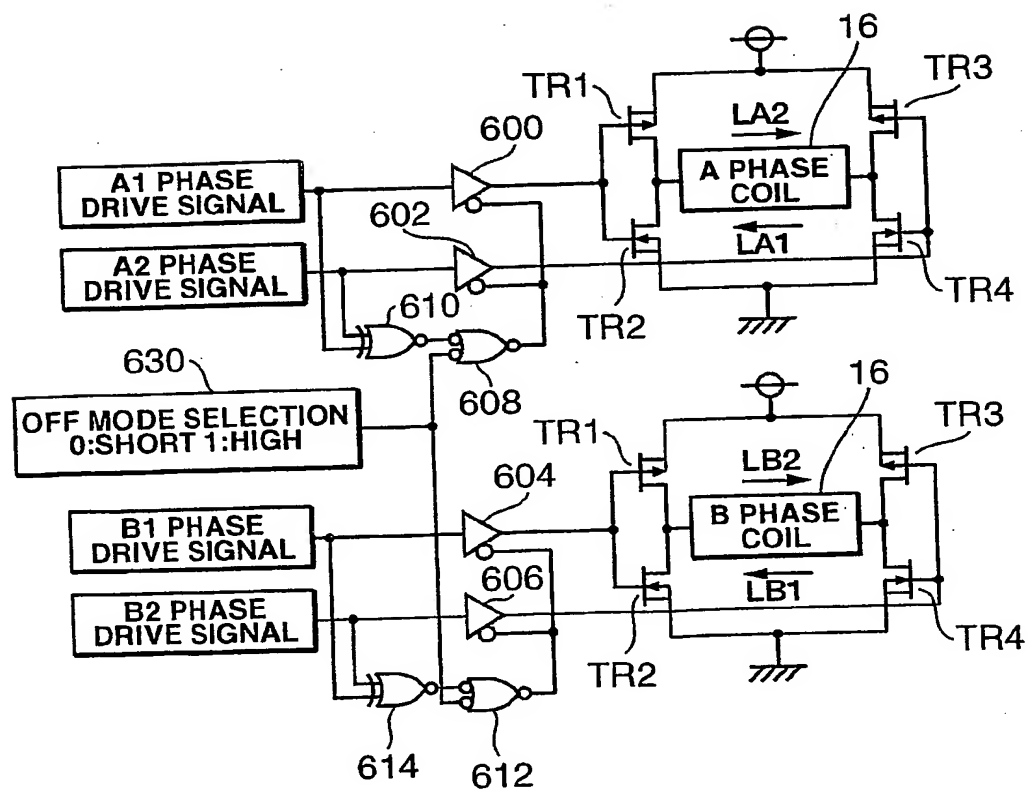
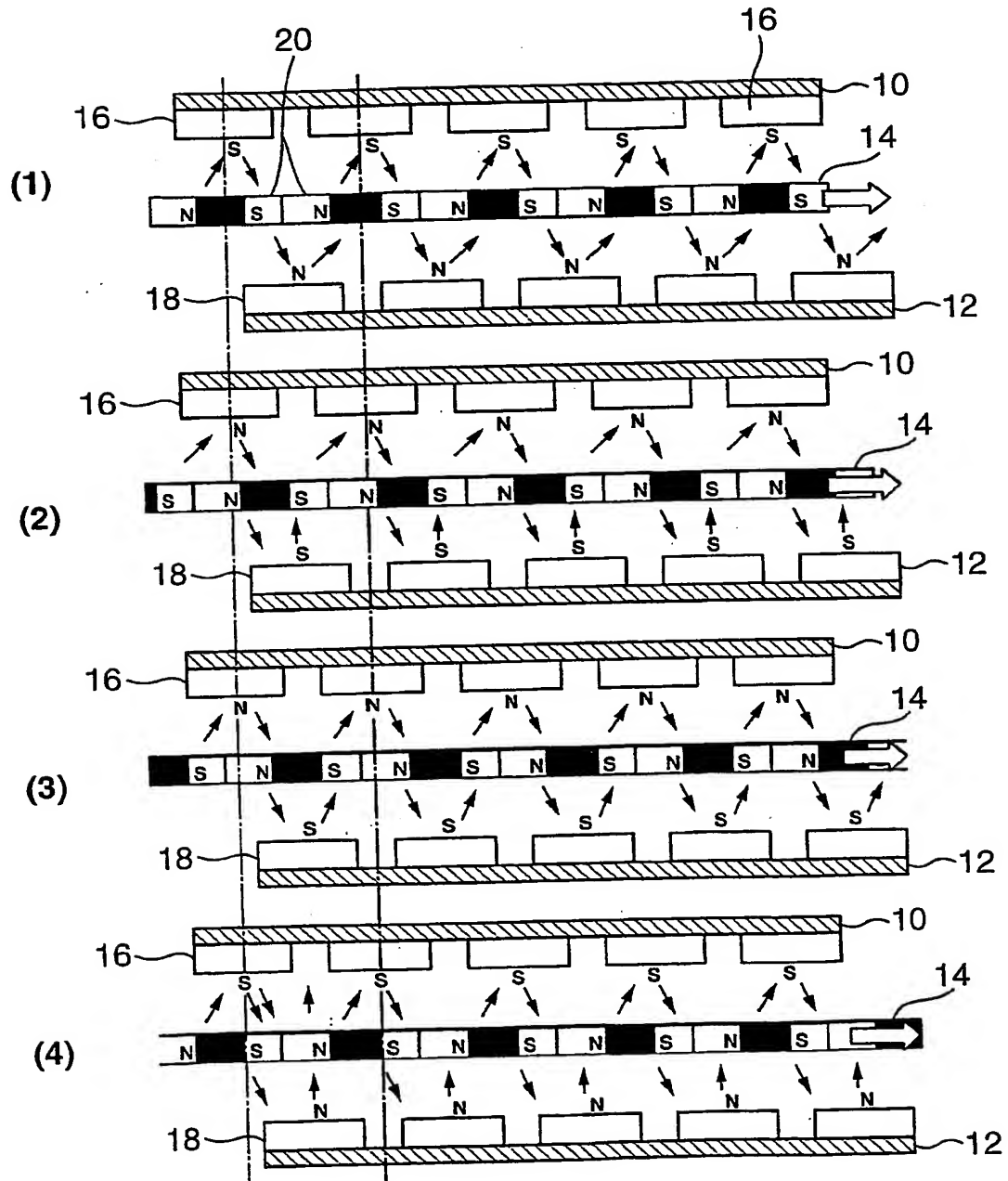
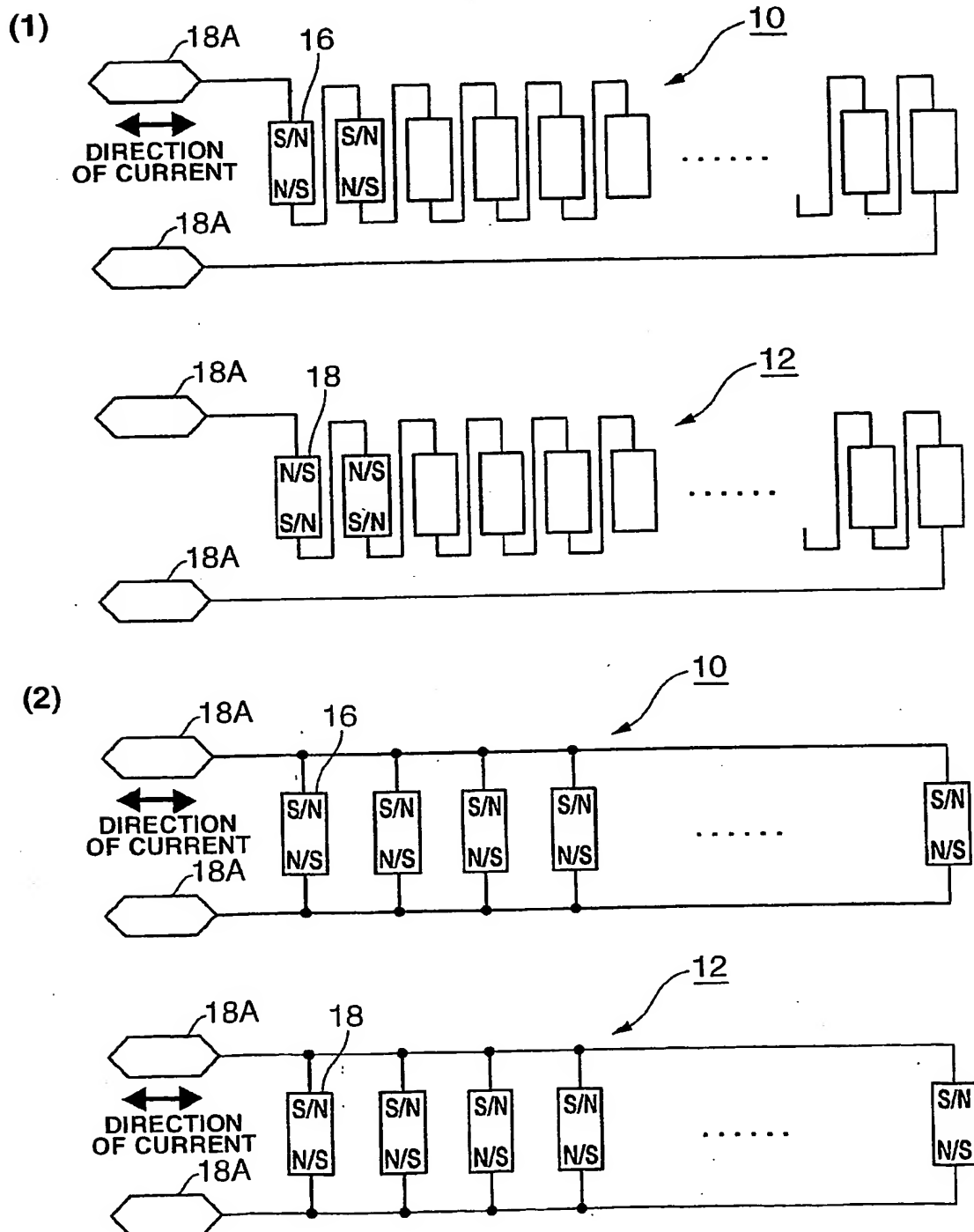


FIG.28



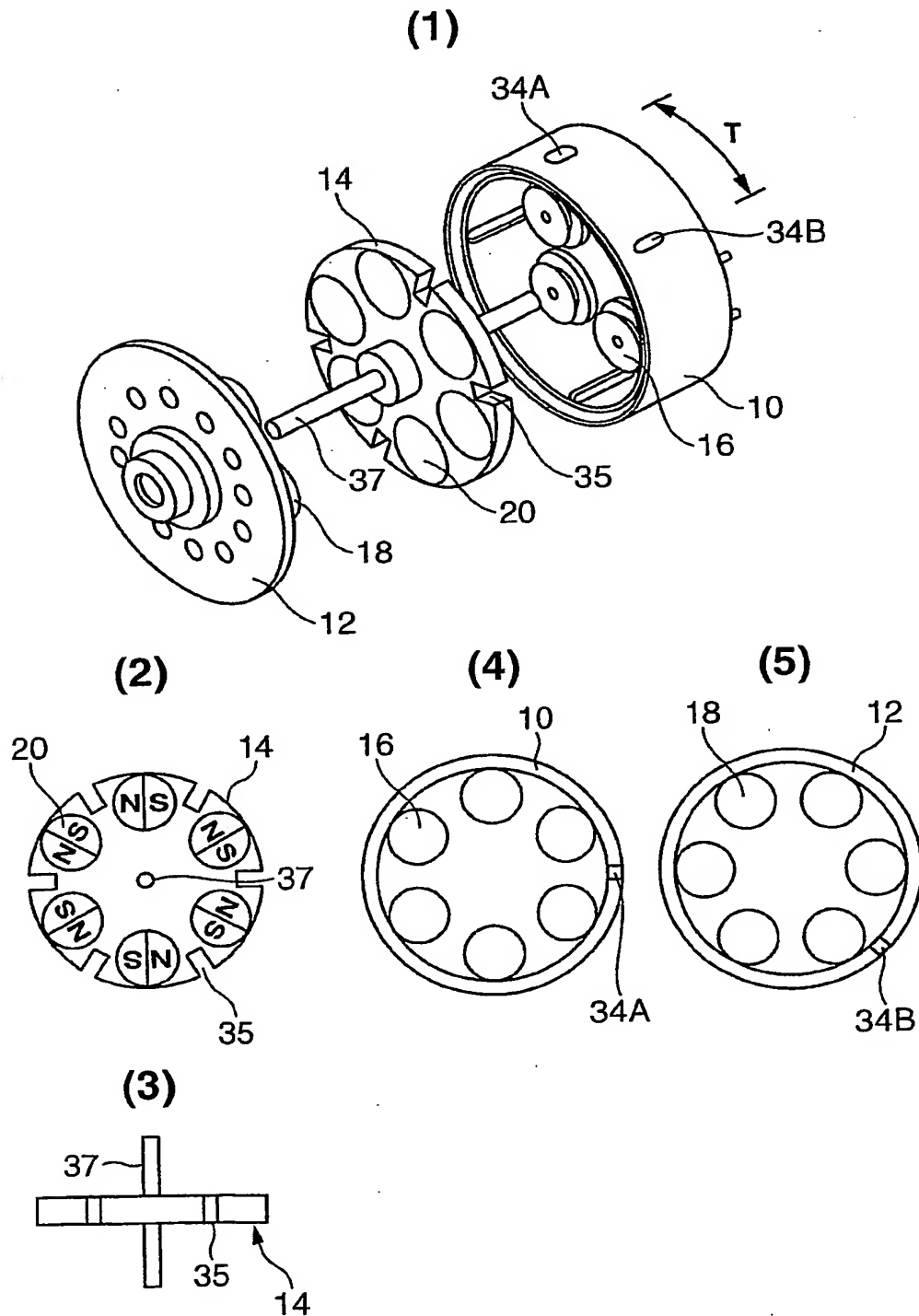
29/50

FIG.29



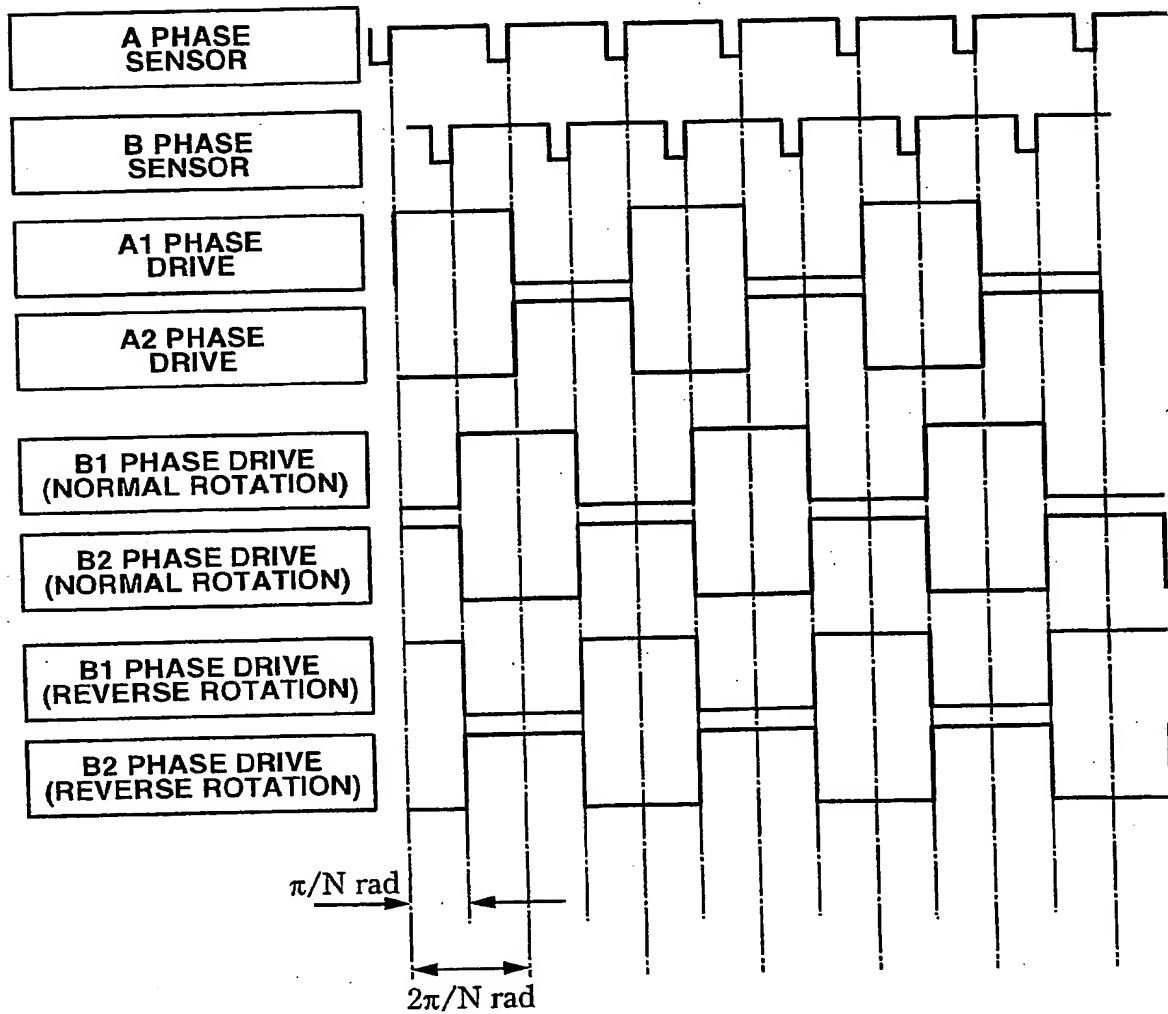
30/50

FIG.30



31/50

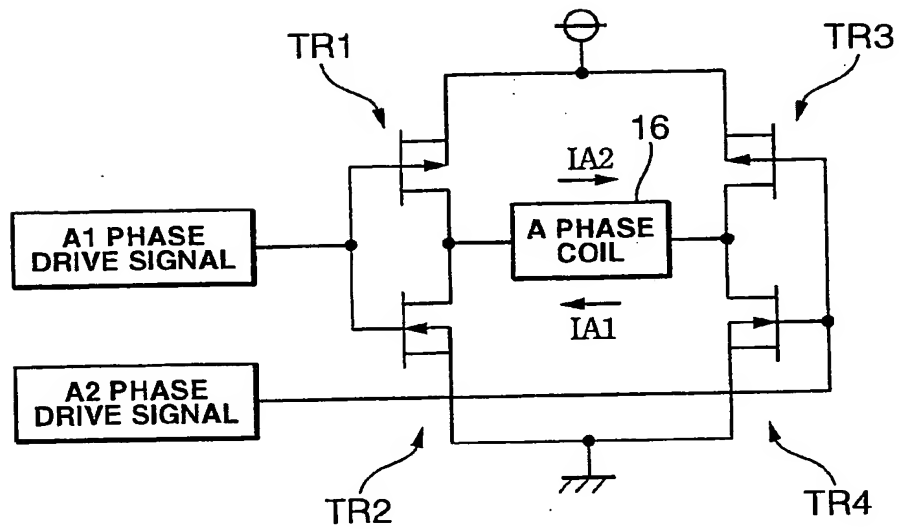
FIG.31



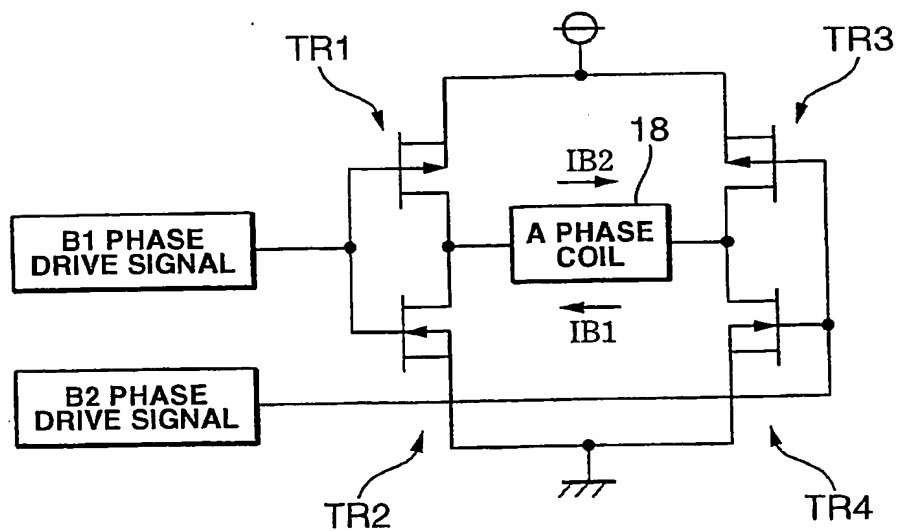
32/50

FIG.32

(1)

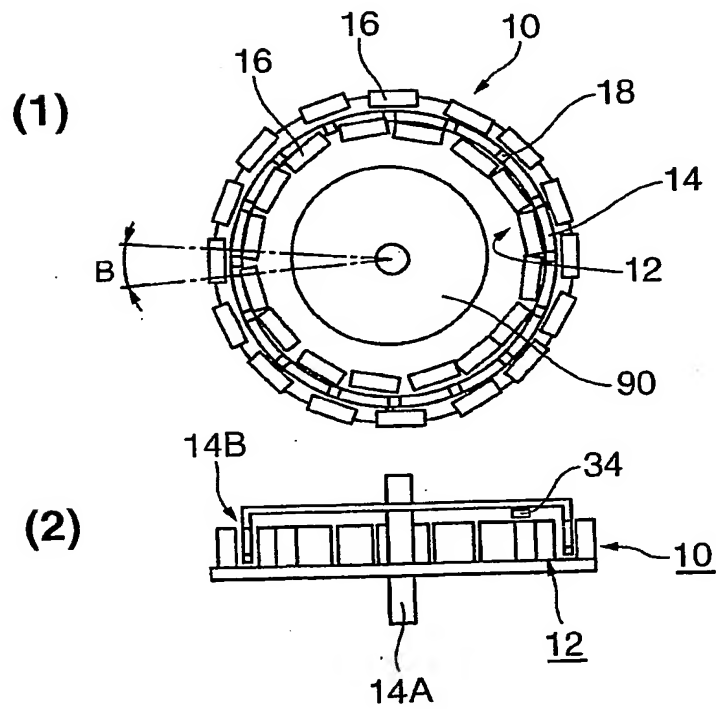


(2)



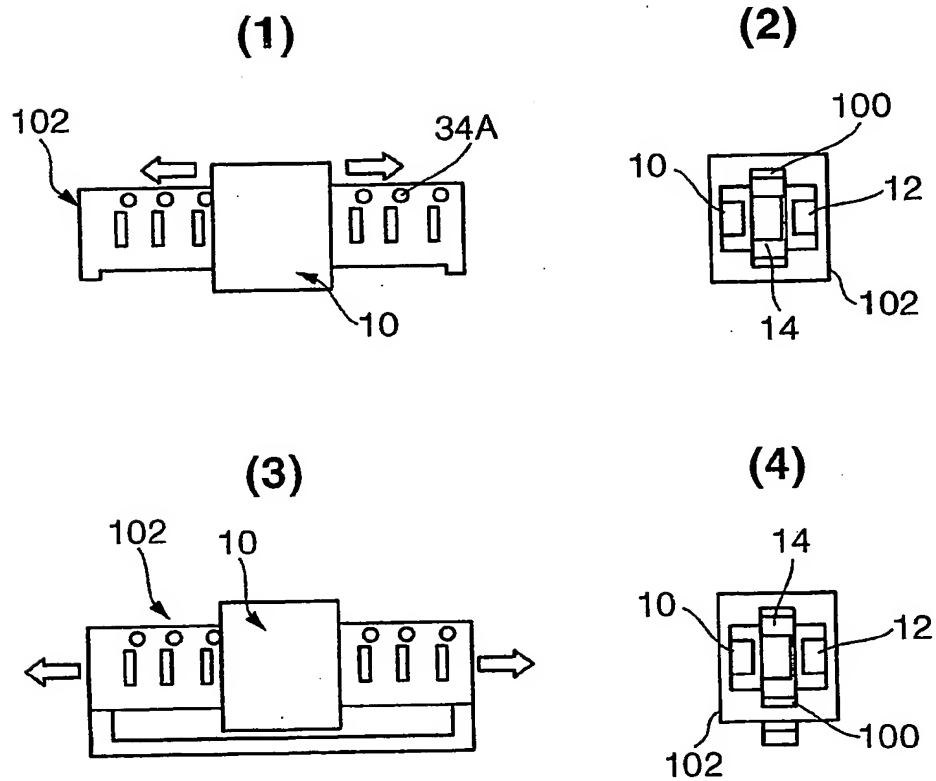
33/50

FIG.33



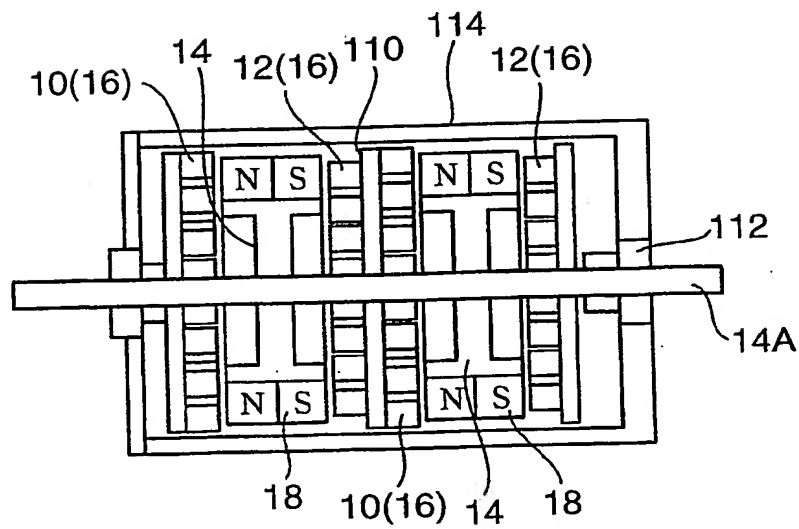
34/50

FIG.34



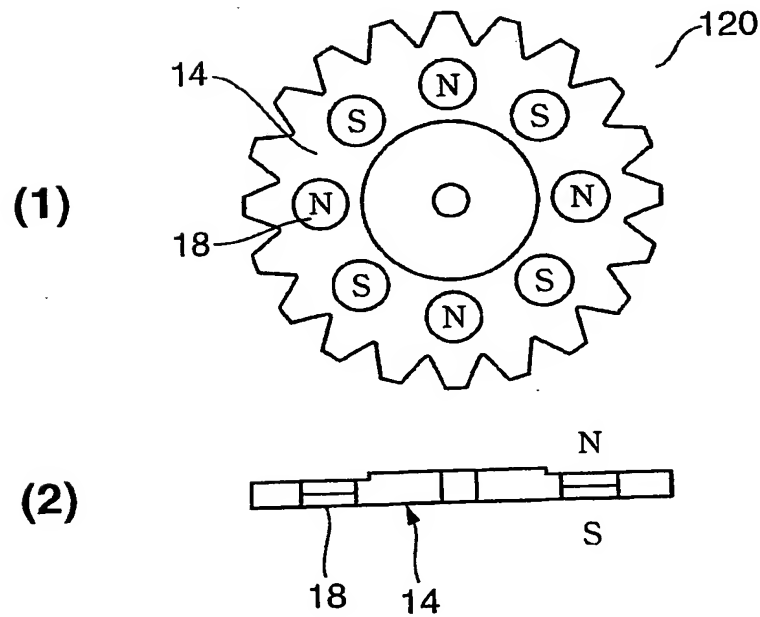
35/50

FIG.35



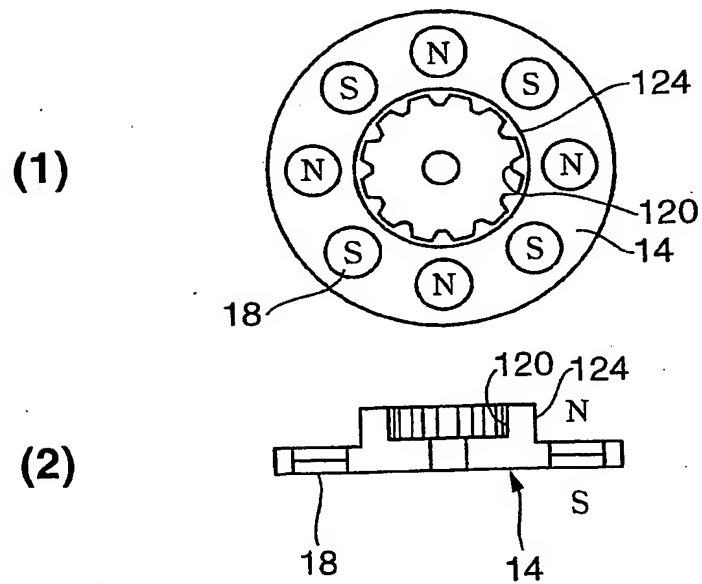
36/50

FIG.36



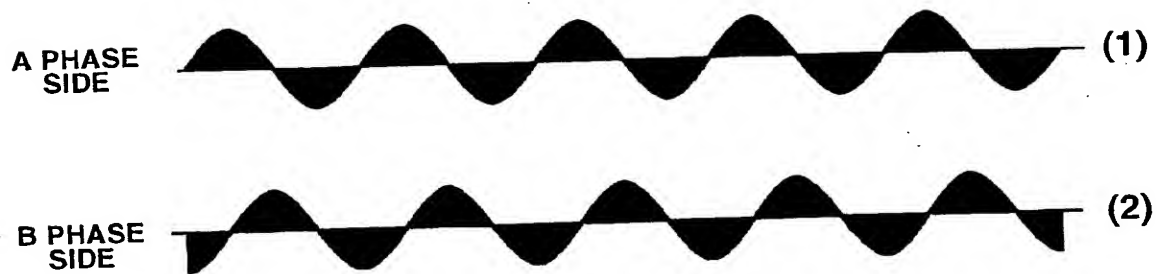
37/50

FIG.37



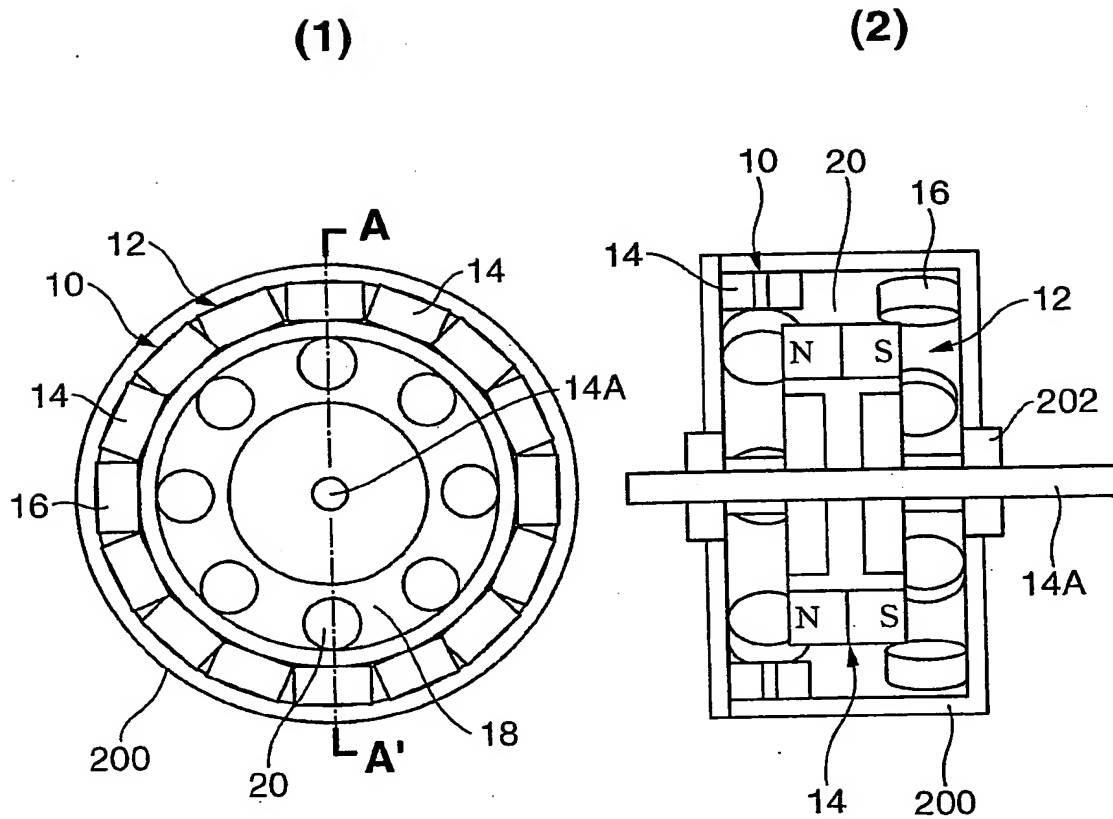
38/50

FIG.38



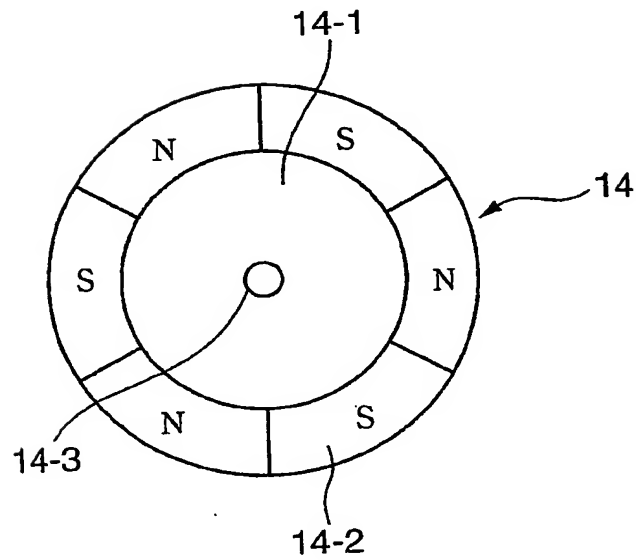
39/50

FIG.39



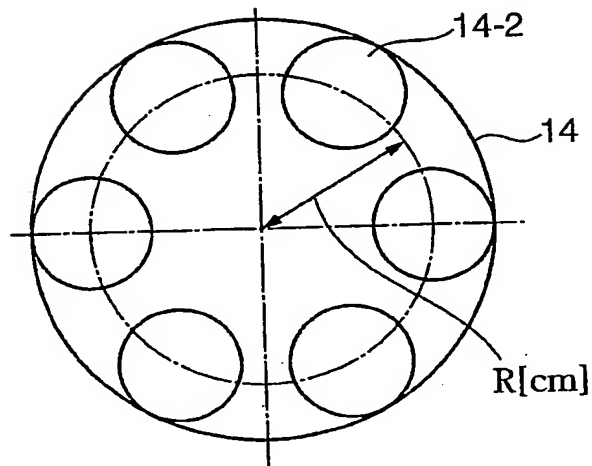
40/50

FIG.40



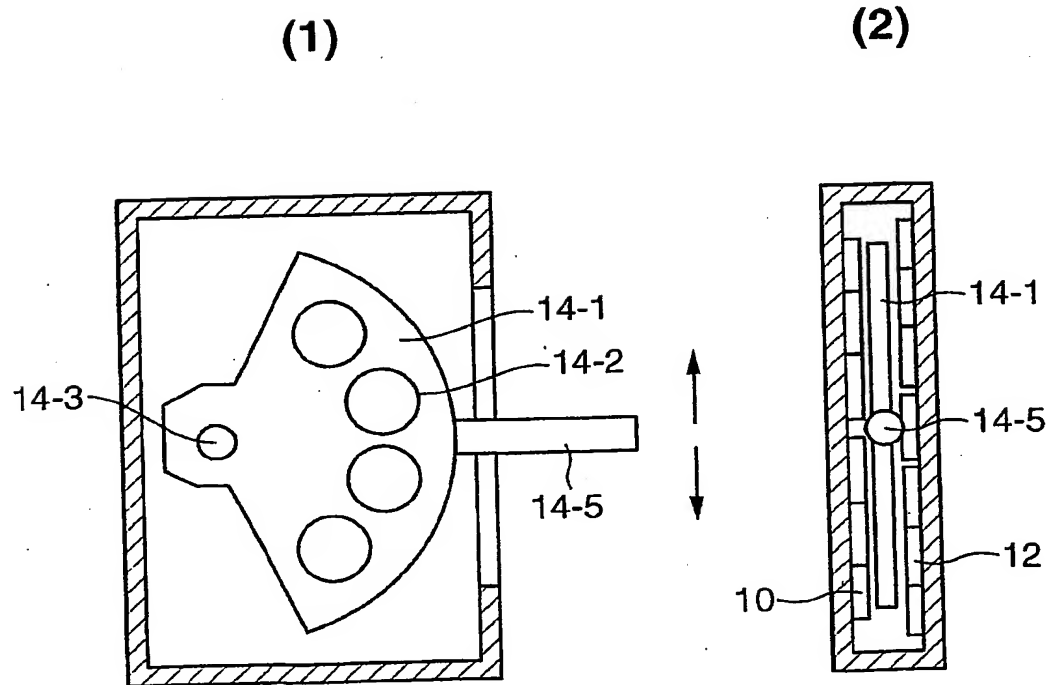
41/50

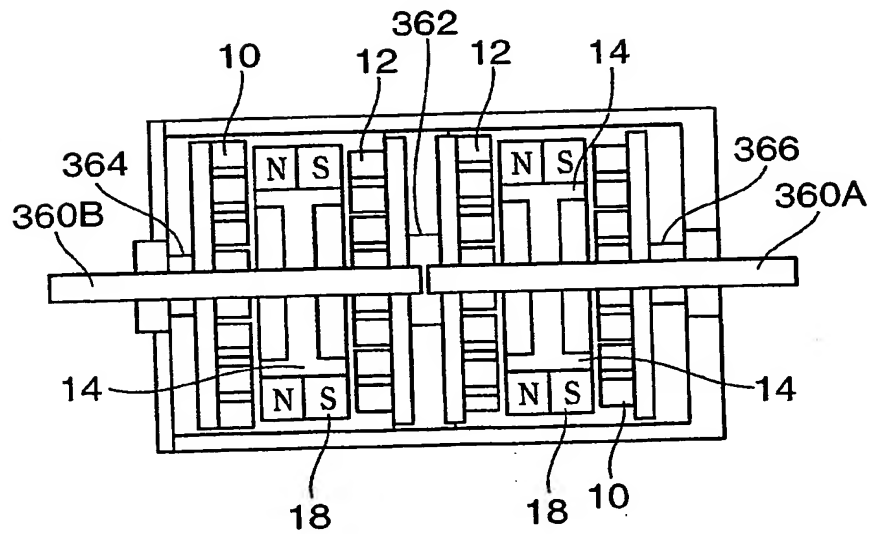
FIG.41



42/50

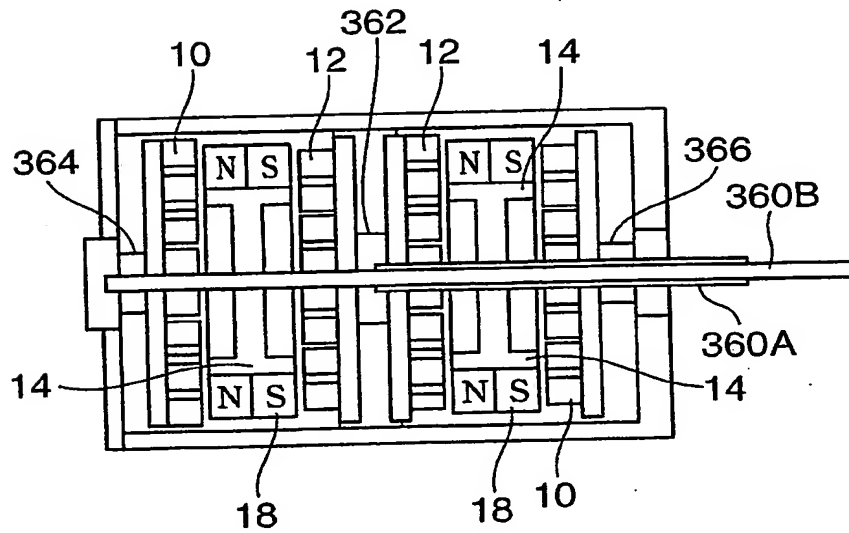
FIG.42





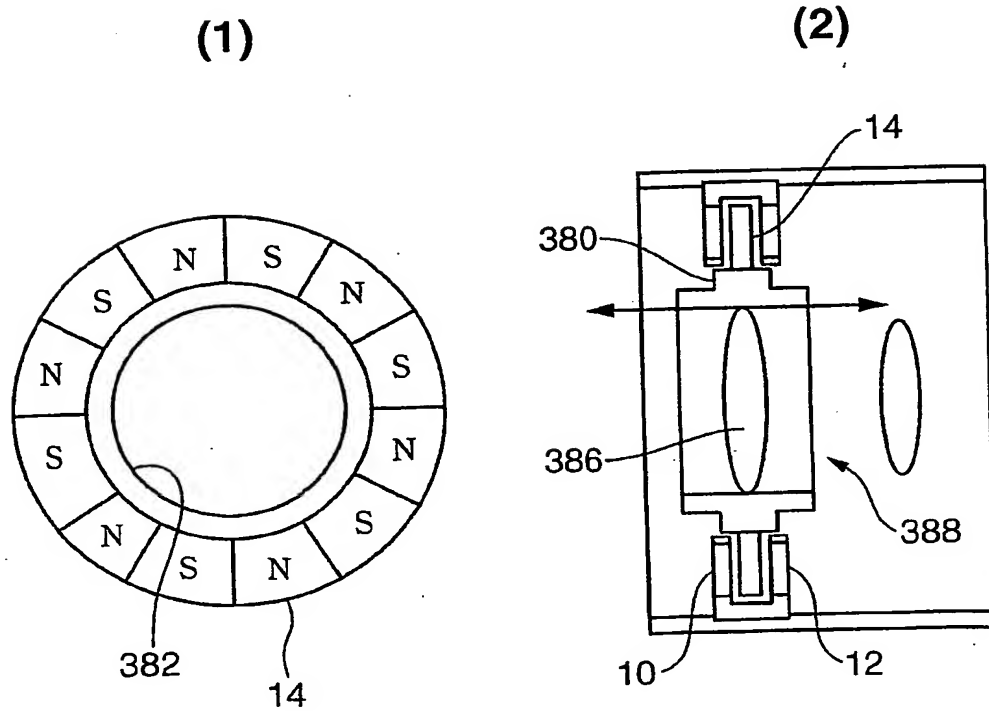
44/50

FIG.44



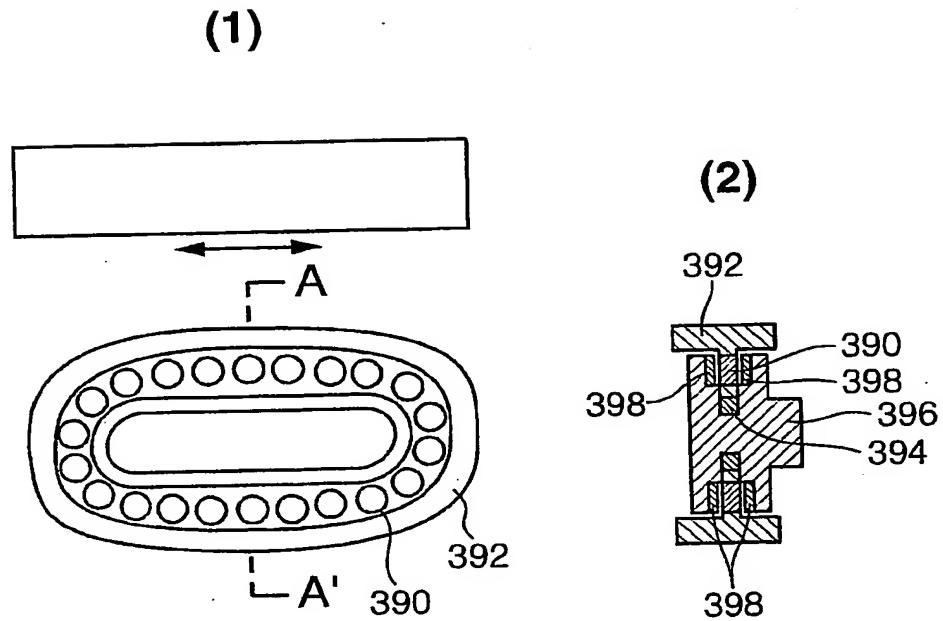
45/50

FIG.45



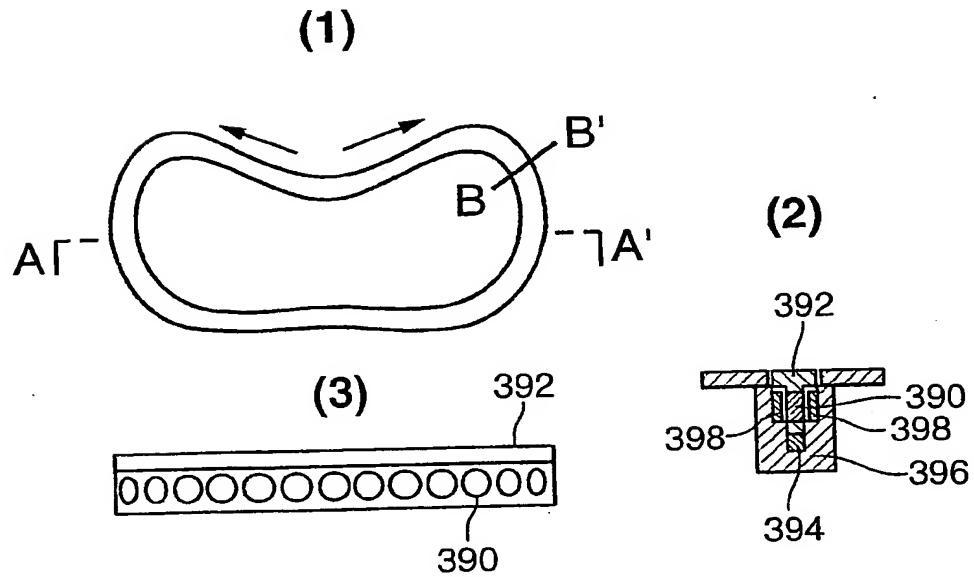
46/50

FIG.46



47/50

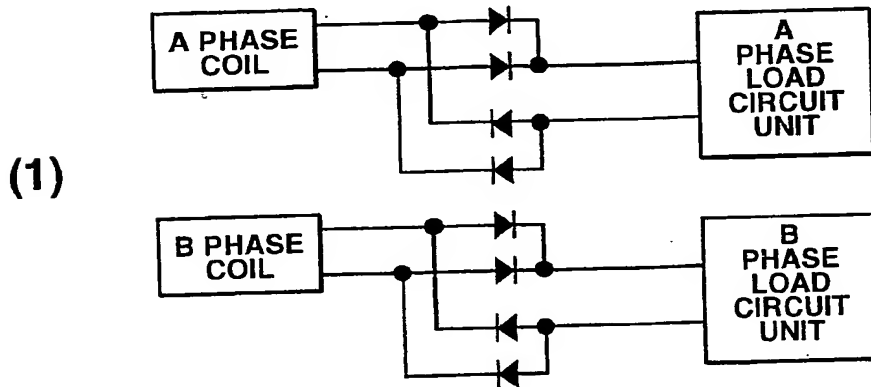
FIG.47



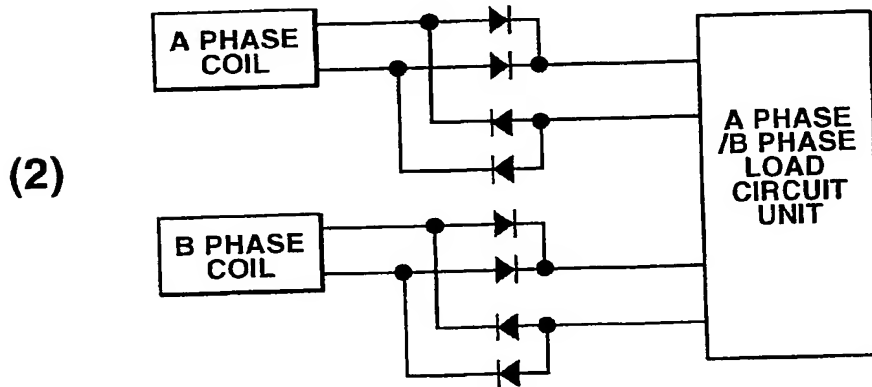
48/50

FIG.48

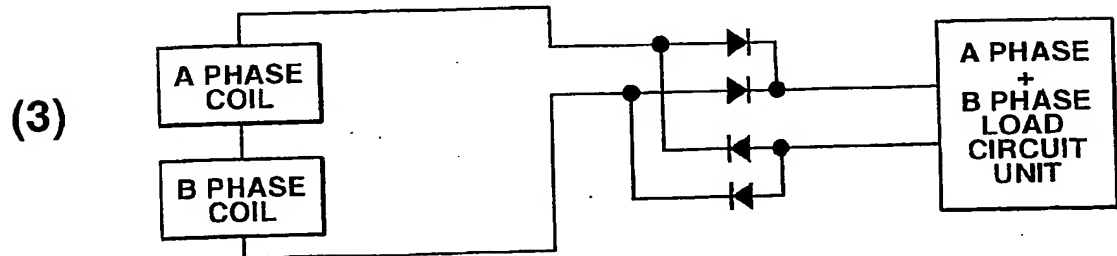
AB PHASE INDEPENDENT TYPE



AB PHASE SYNTHESIZED TYPE

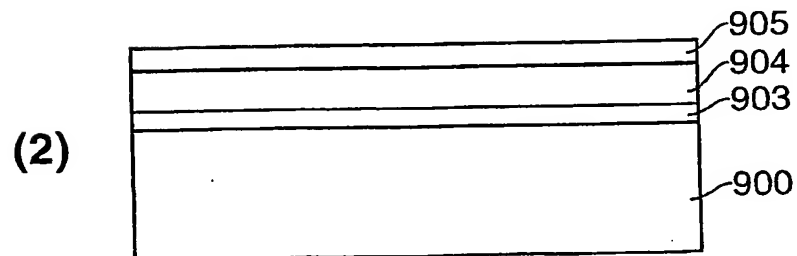
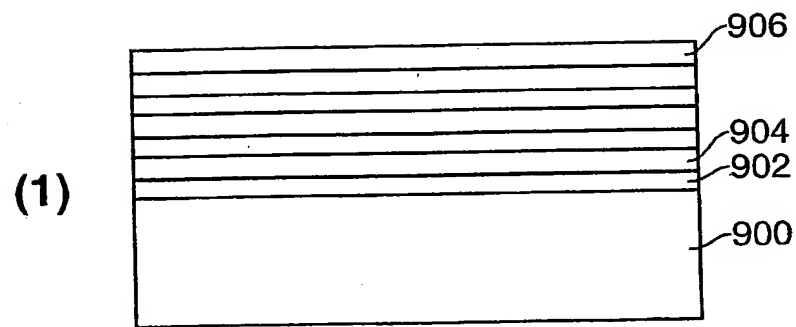


AB PHASE SERIAL COIL TYPE



49/50

FIG.49



50/50

FIG.50

